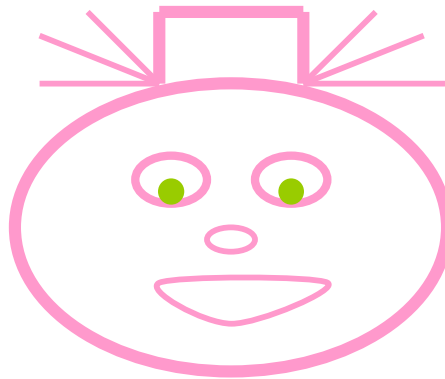


Sergio Vallortigara

FRAZIONI PARTITRICI

La macchina delle frazioni schede



Ciao! Sono BICE la macchina partitrice.

Ho preparato una serie di macchine da completare in ben 10 livelli.

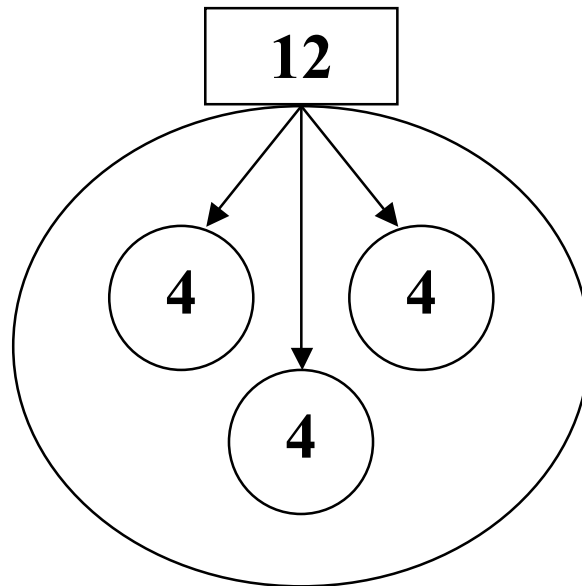
Se riuscirai completarle tutte, compreso il difficilissimo 10° livello,
puoi considerarti un piccolo matematico veramente in gamba
meritandoti così il diploma d'esperto in frazioni.

Partiamo con una regola ben precisa:

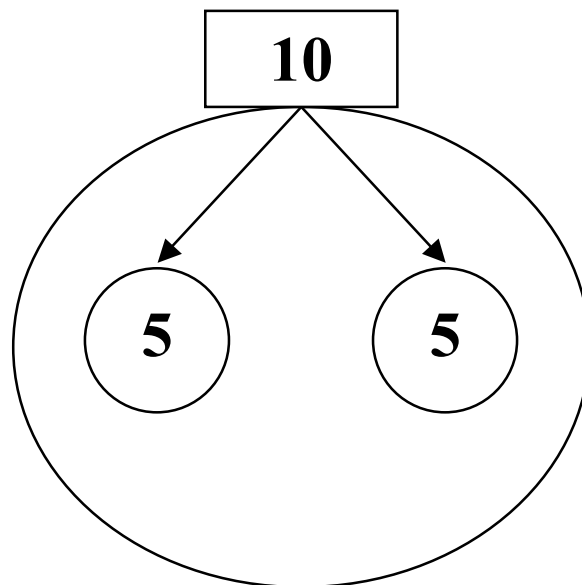
LA MACCHINA DIVIDE IN PARTI UGUALI I NUMERI MANTENENDO SEMPRE NUMERI INTERI.

Esempio $6 : 2 = 3$ *ok!* $7 : 2 =$ **non è capace!!!**

Osserva come la macchina ha diviso il numero 12 in 3 parti uguali ed intere.



Anche questa macchina ha diviso il 10 in 2 parti uguali.

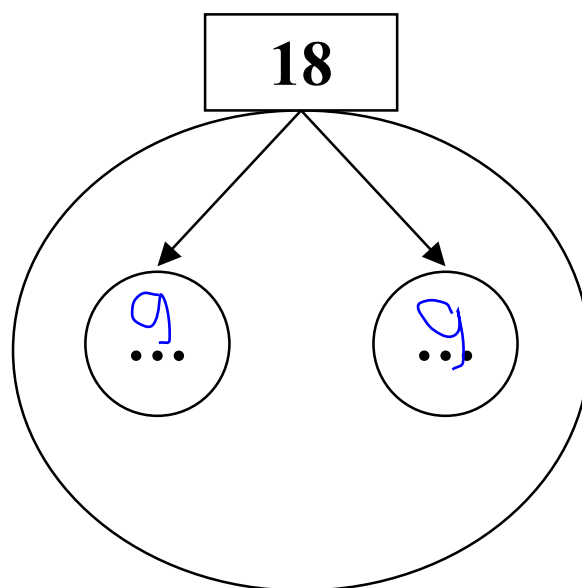
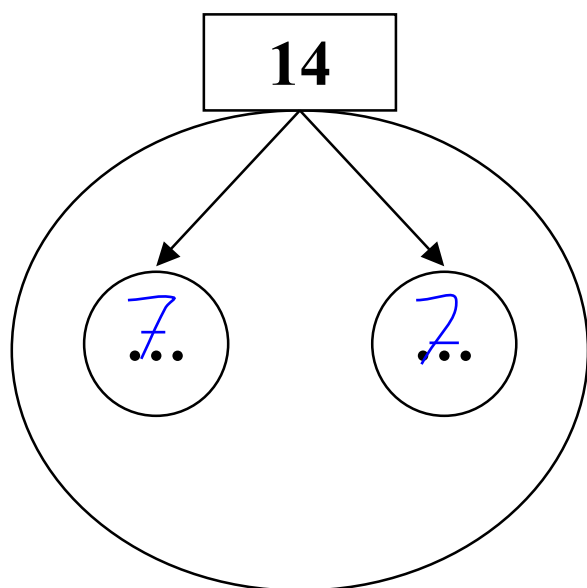
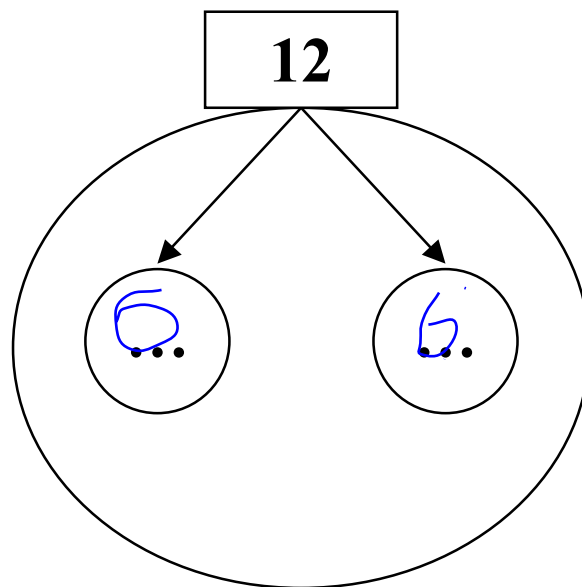
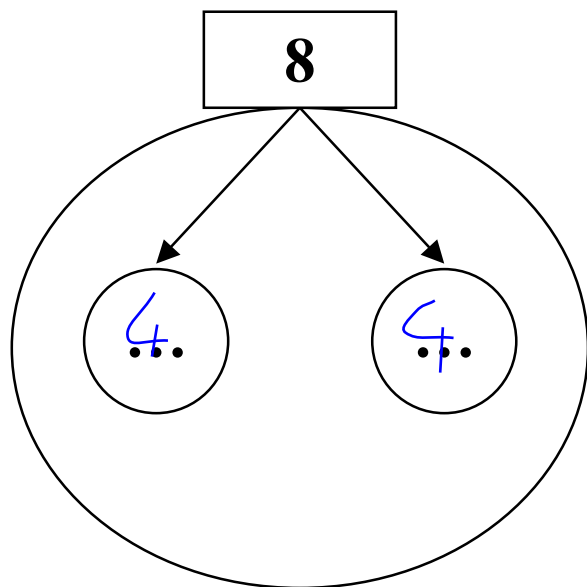


Ok?

Ciao e buon lavoro Bice

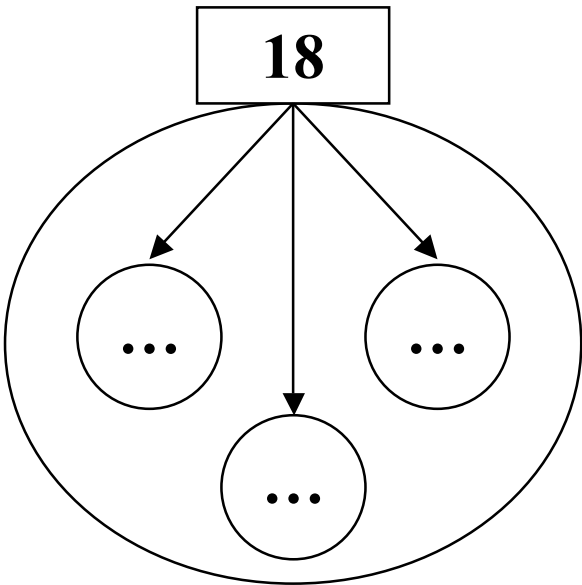
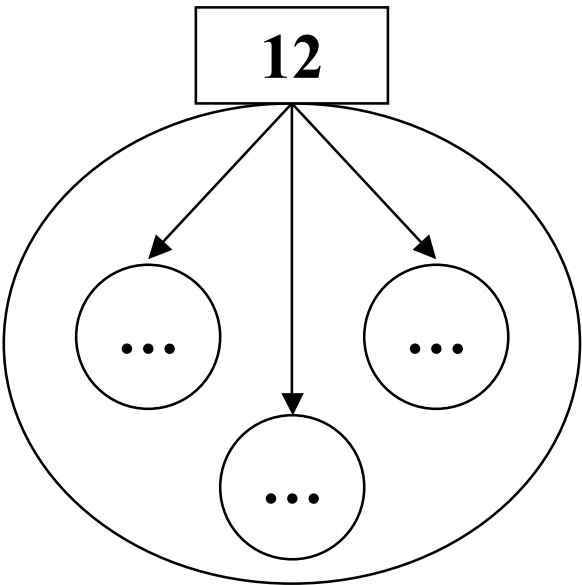
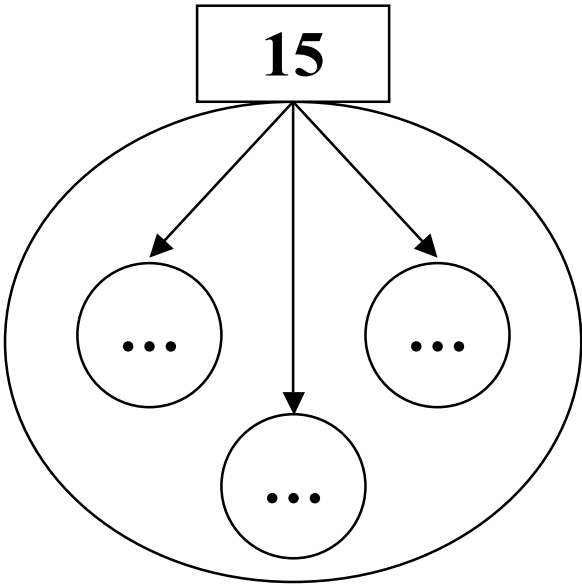
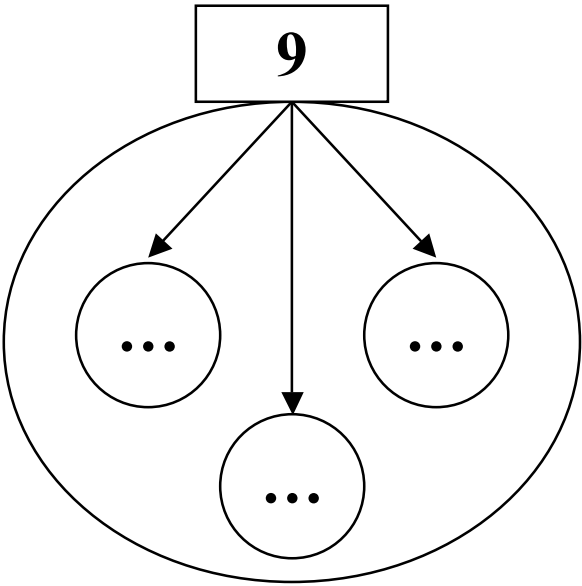
Completa le macchine:

1°
livello



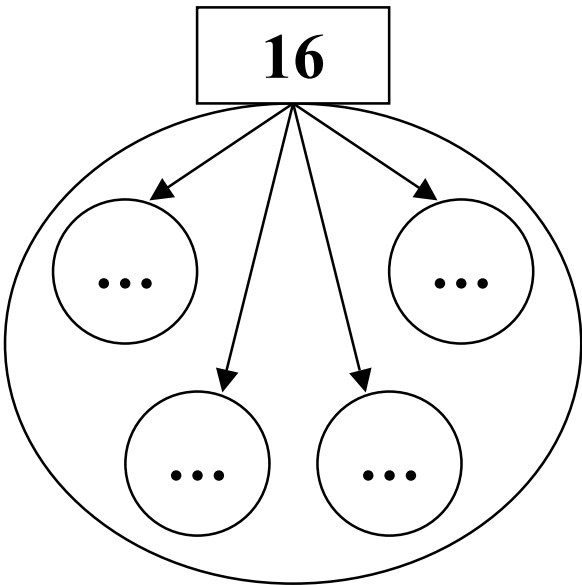
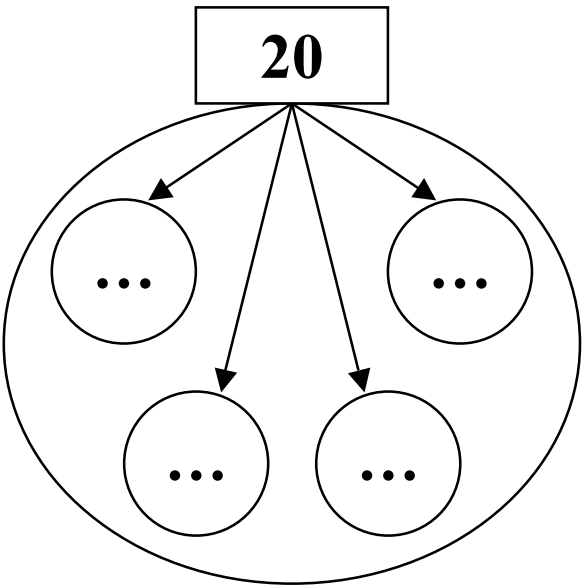
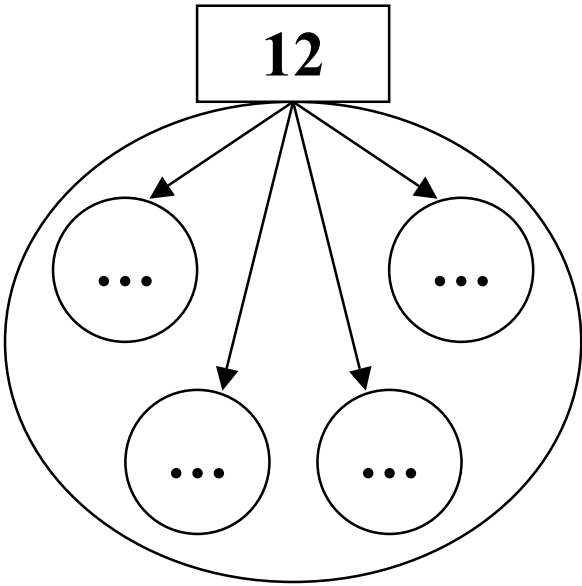
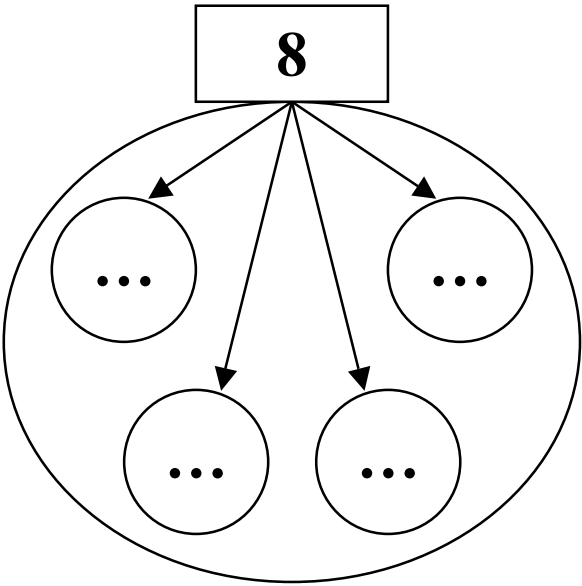
Completa le macchine:

1°
livello



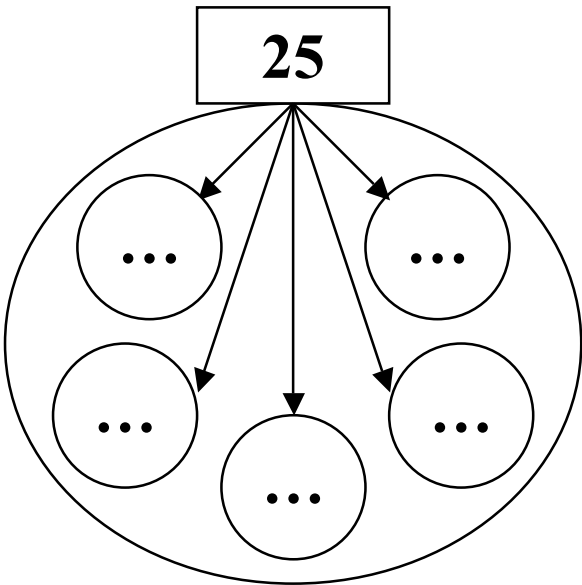
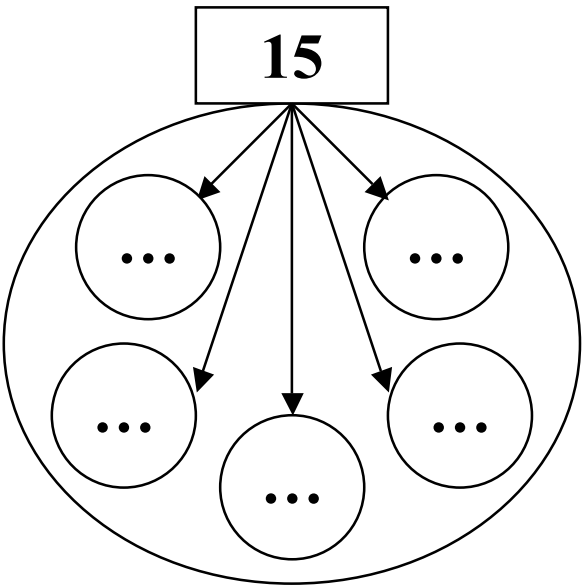
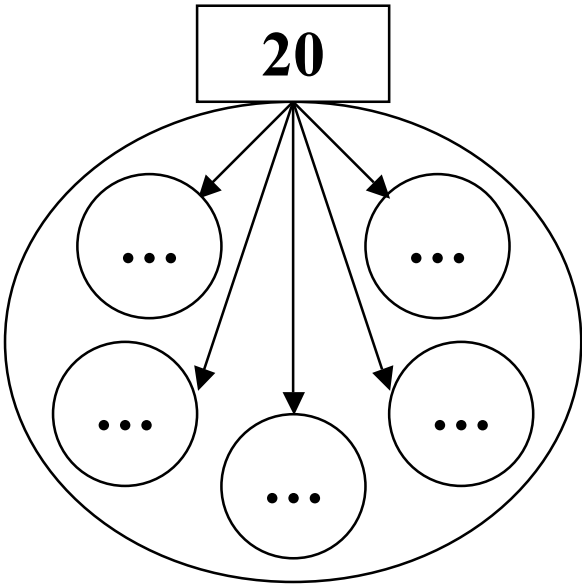
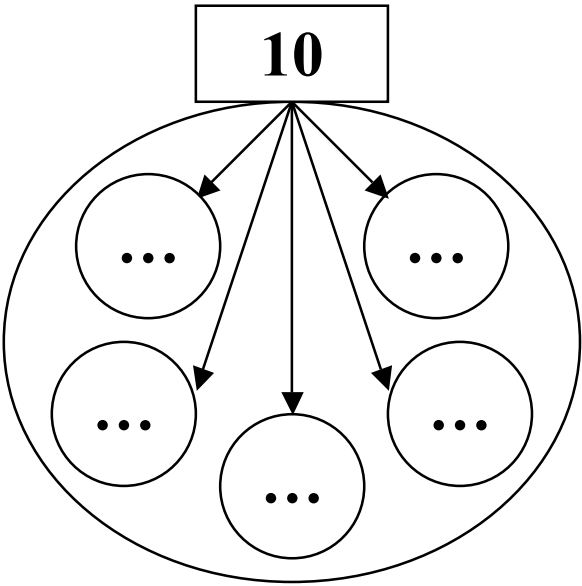
Completa le macchine:

1°
livello

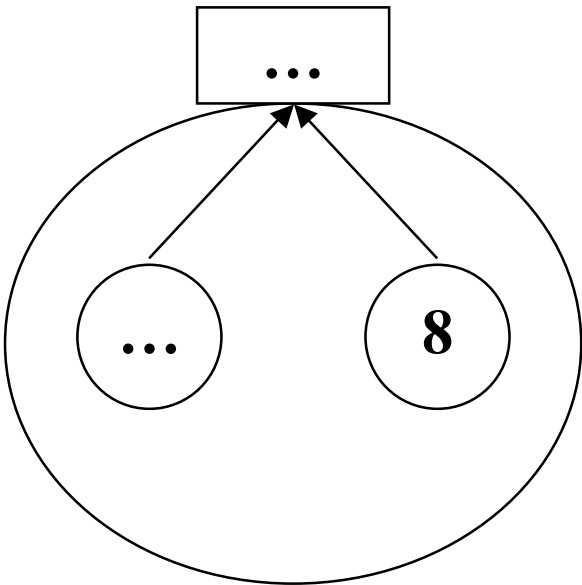
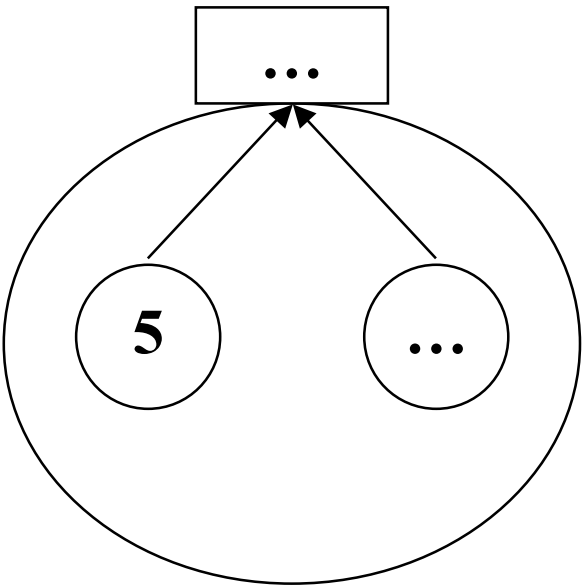
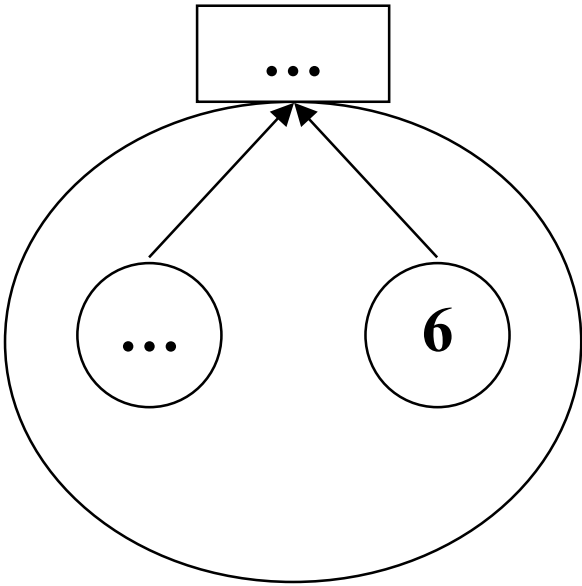
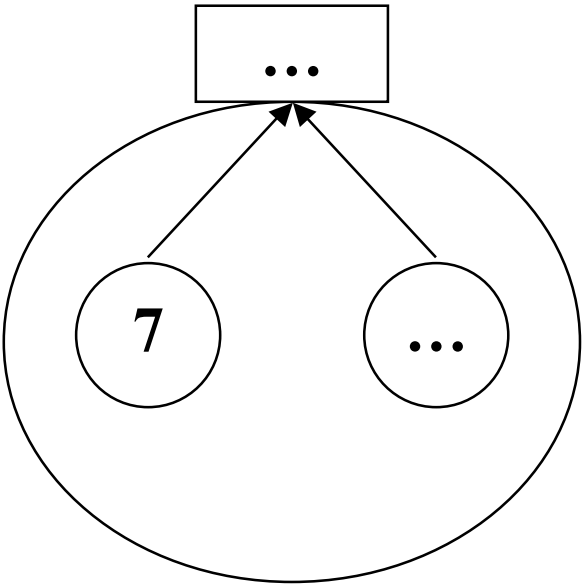


Completa le macchine:

1°
livello

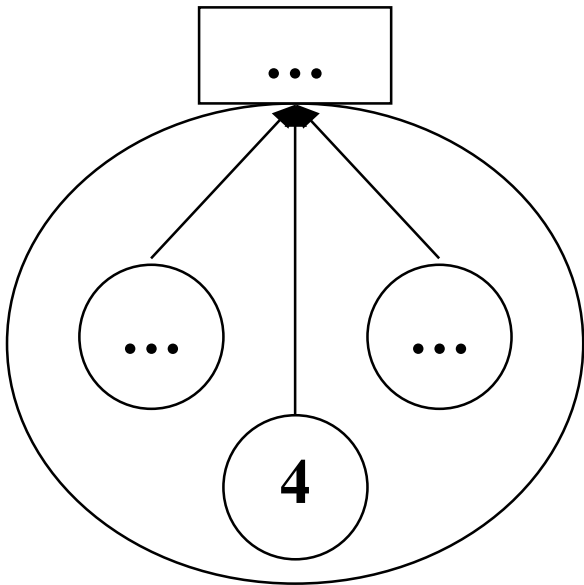
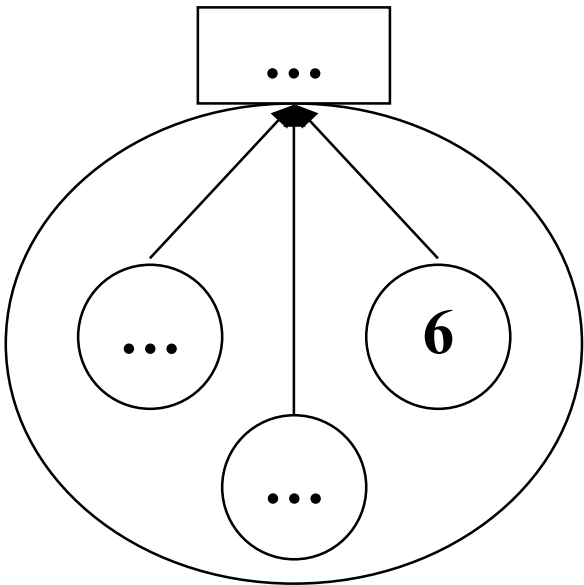
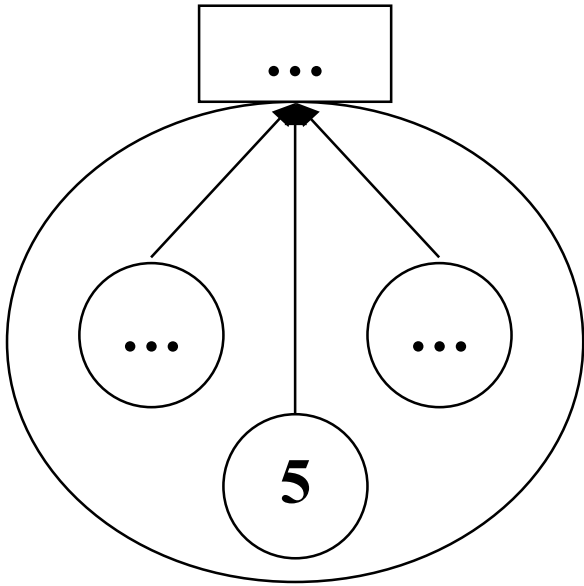
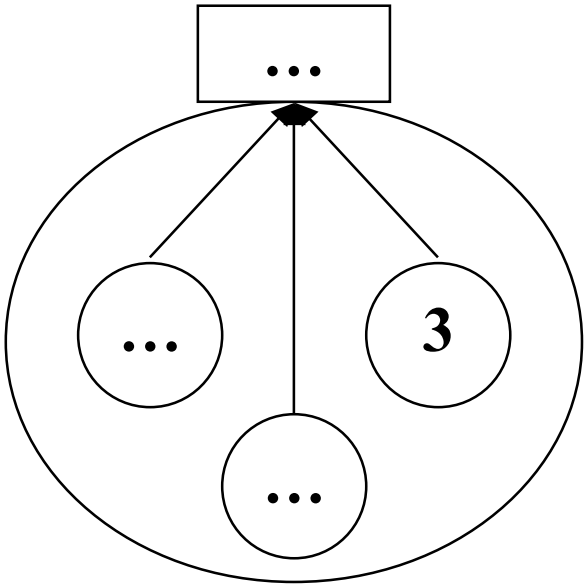


Completa le macchine:



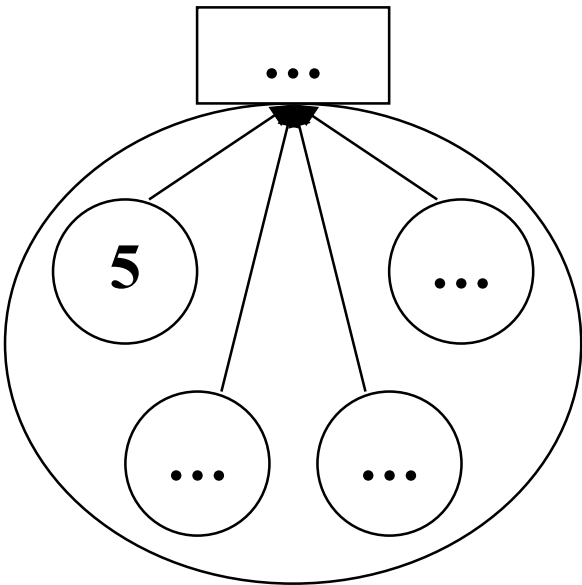
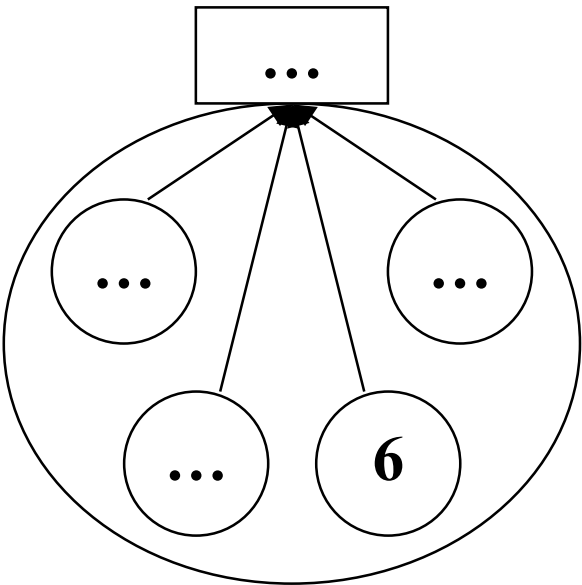
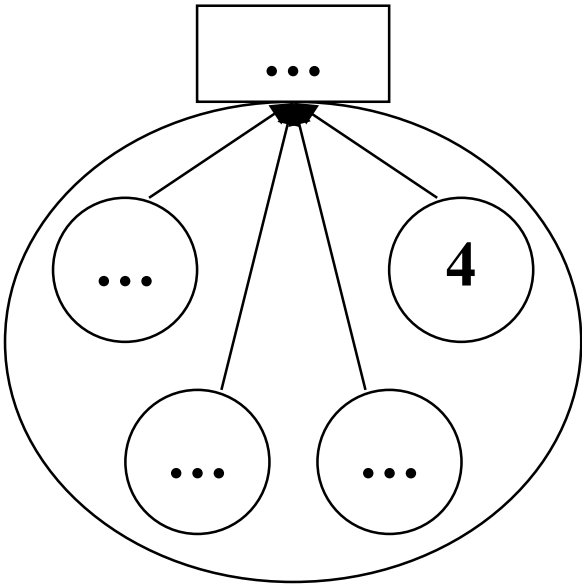
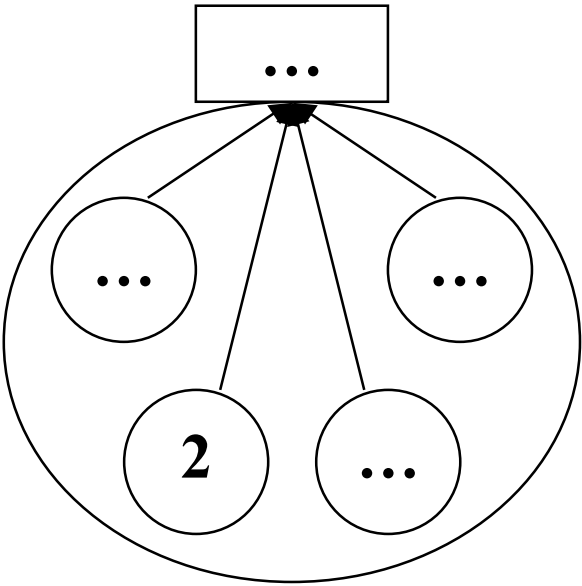
Completa le macchine:

2°
livello



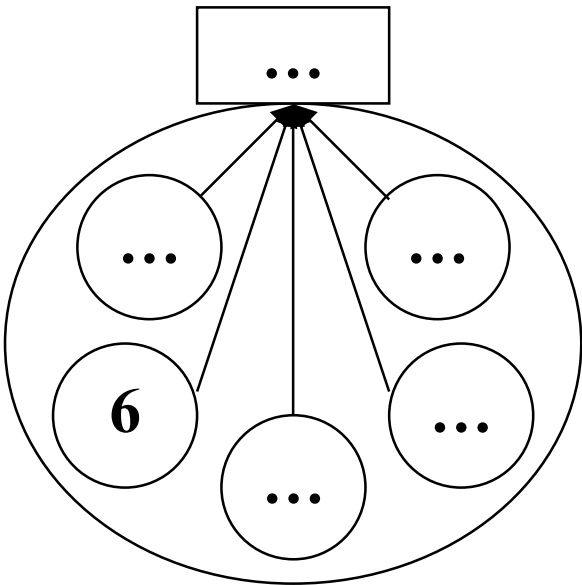
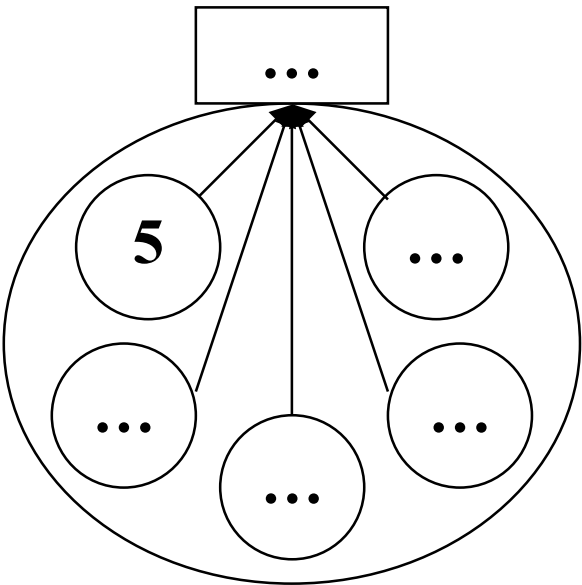
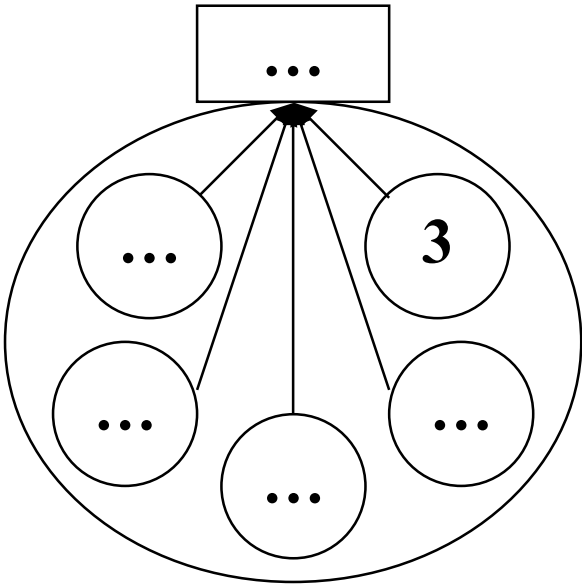
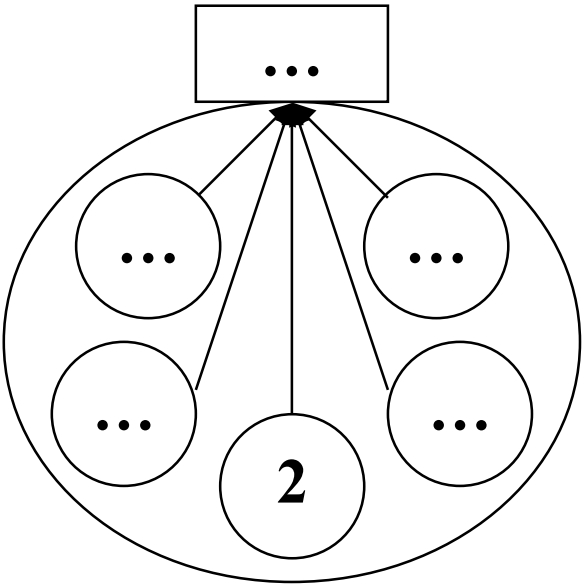
Completa le macchine:

2°
livello



Completa le macchine:

2°
livello



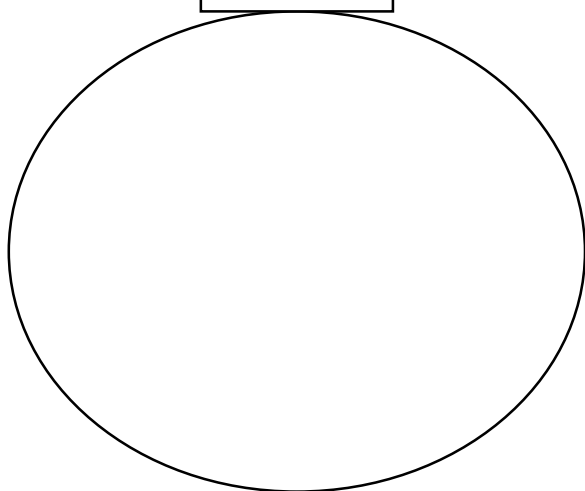
Completa le macchine.

Disegna i cerchi, traccia le frecce ed inserisci i numeri.

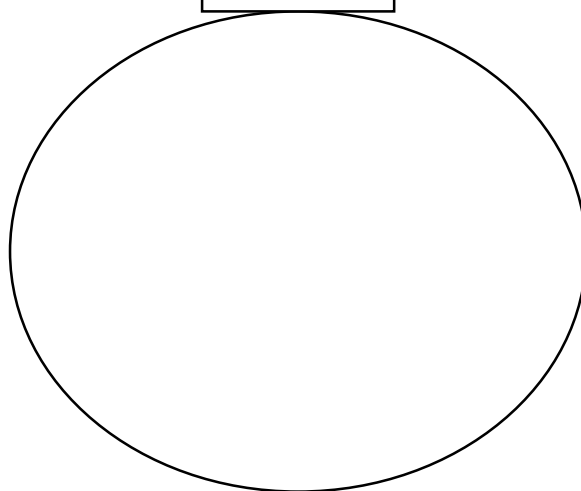
I cerchi si chiamano **DIVISORI**



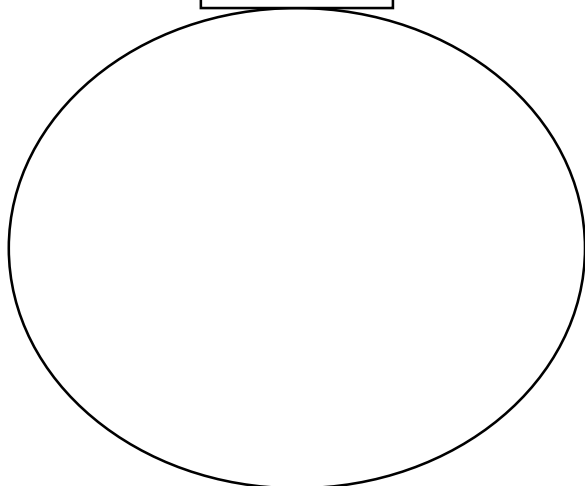
10



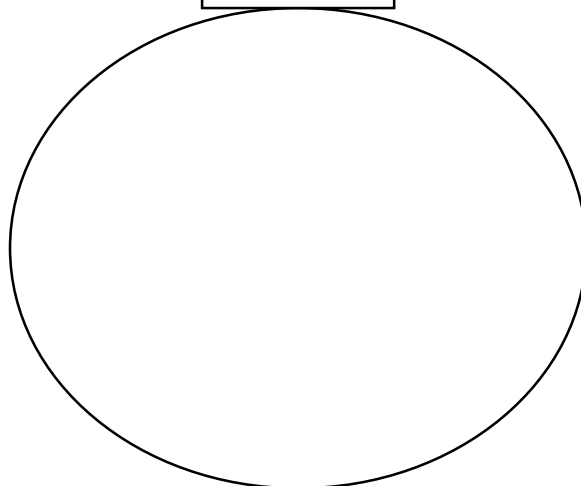
16



14



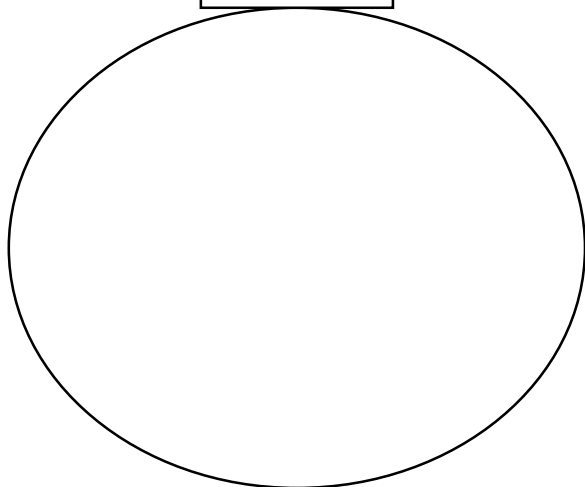
15



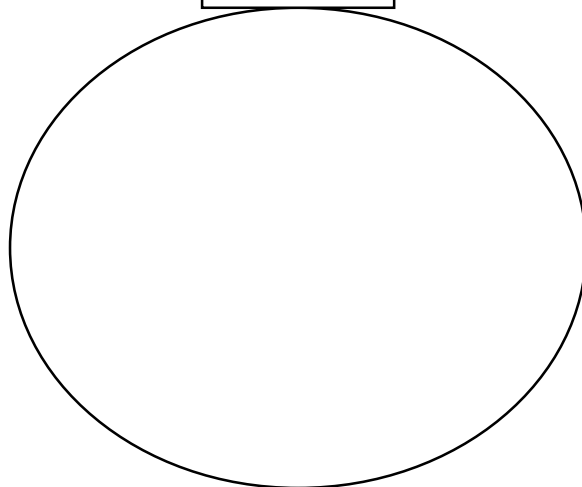
Completa le macchine:

3°
livello

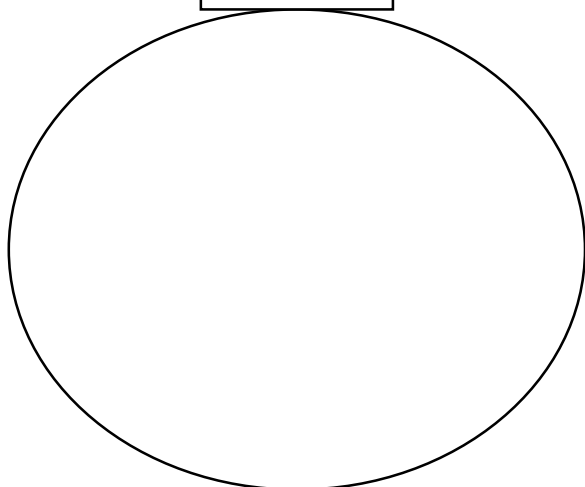
9



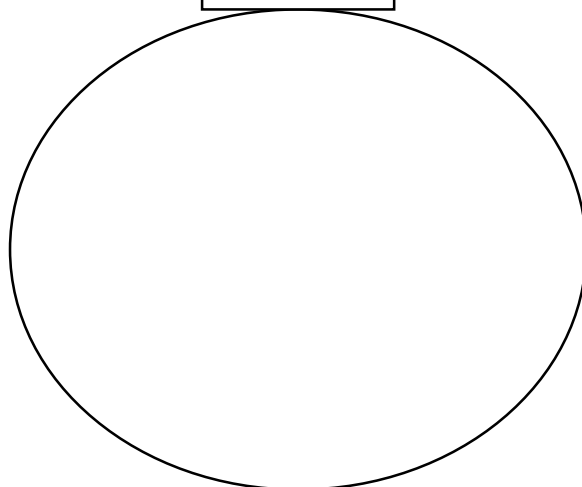
8



21



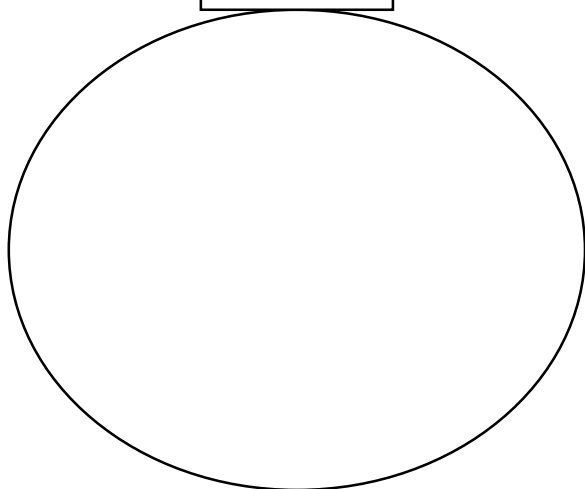
18



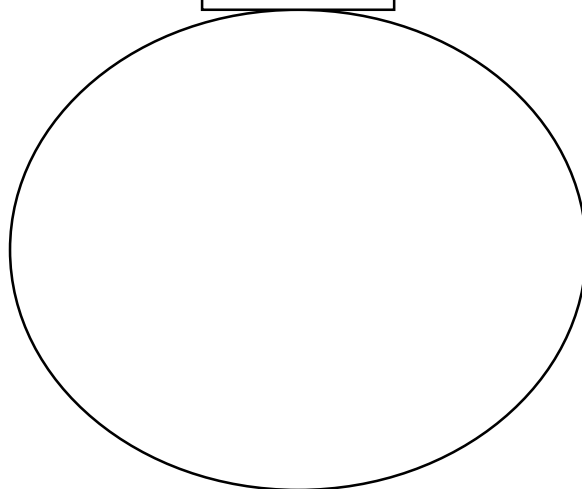
Completa le macchine:

3°
livello

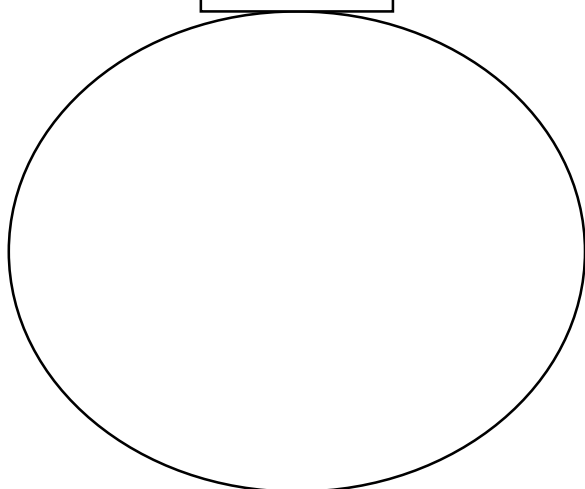
7



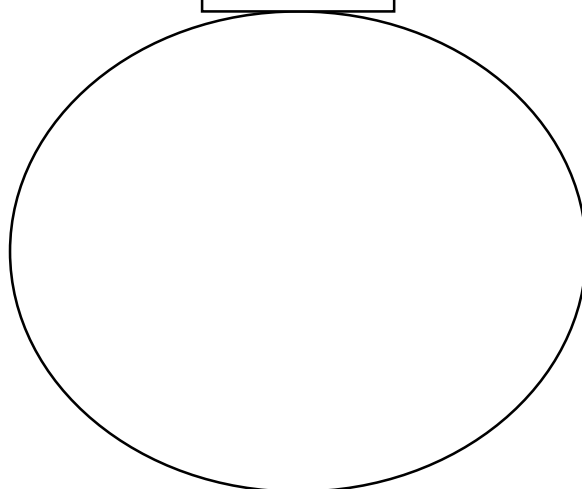
24



27



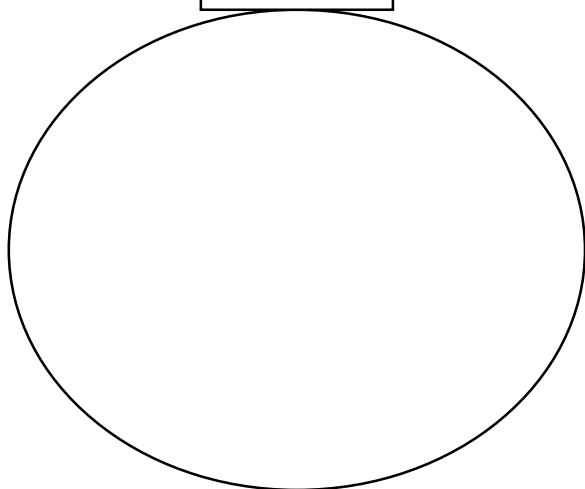
6



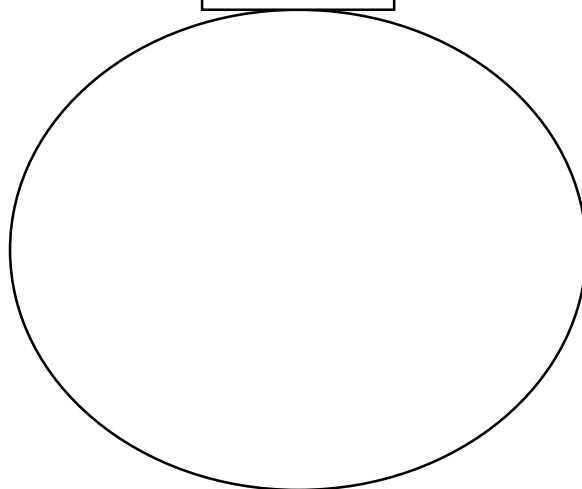
Completa le macchine:

3°
livello

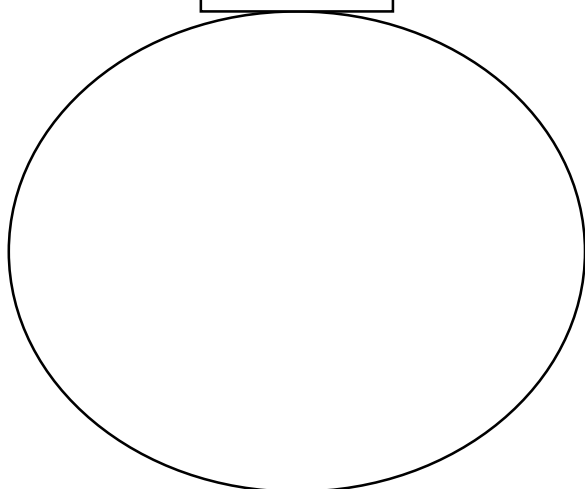
25



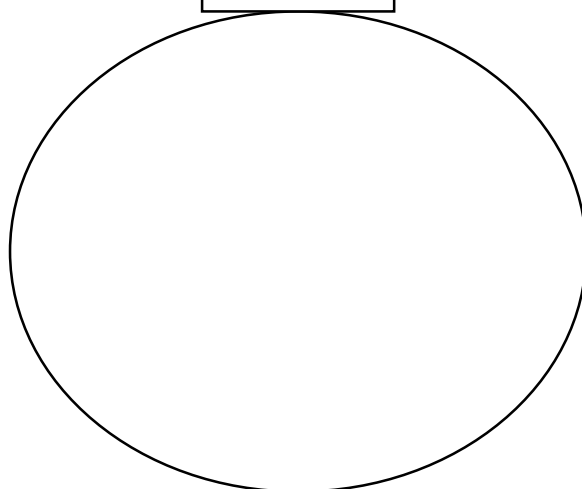
20



12



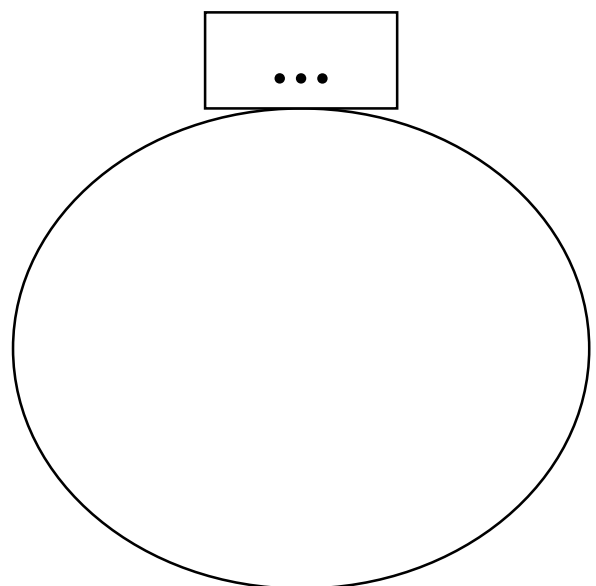
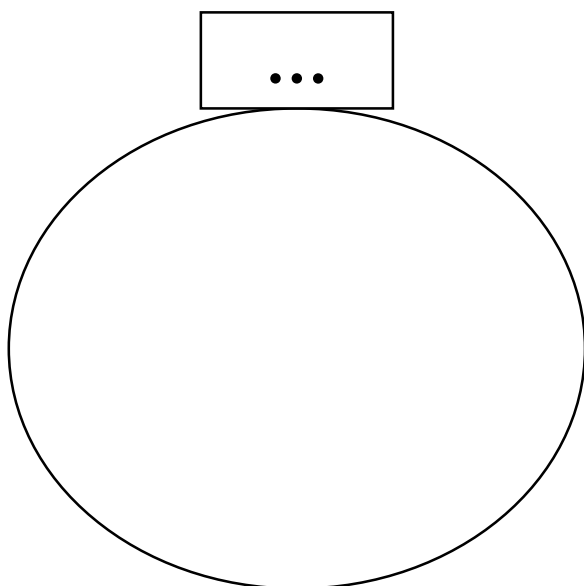
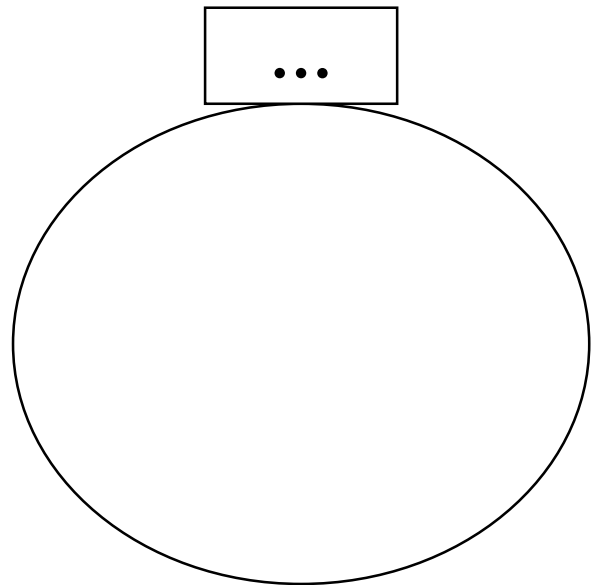
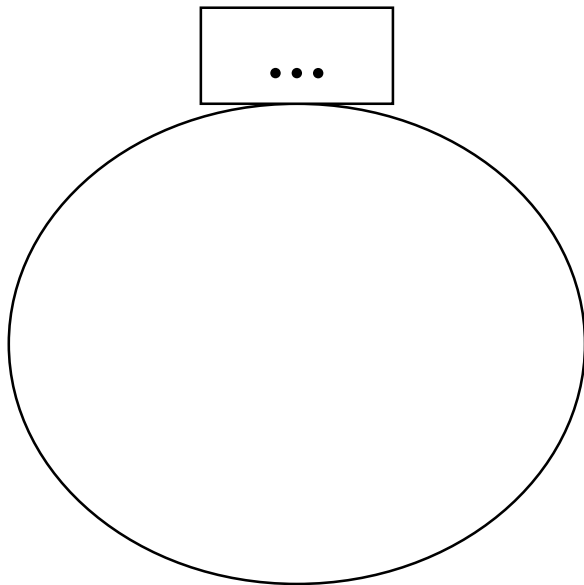
25



Completa le macchine vuote aggiungendo: frecce, divisori e i numeri.

4°
livello

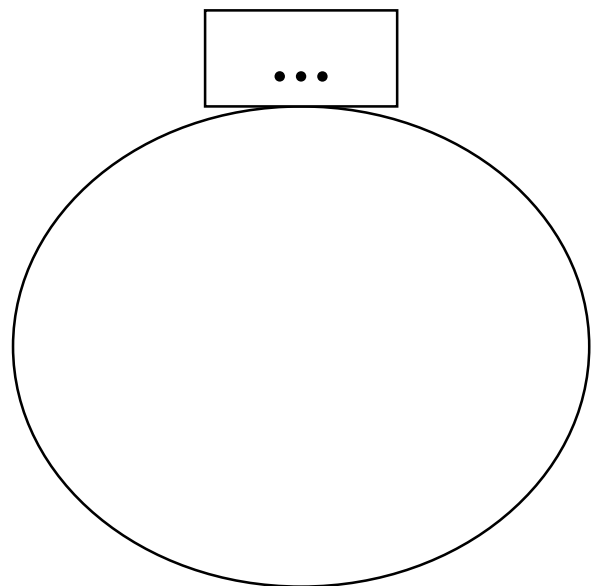
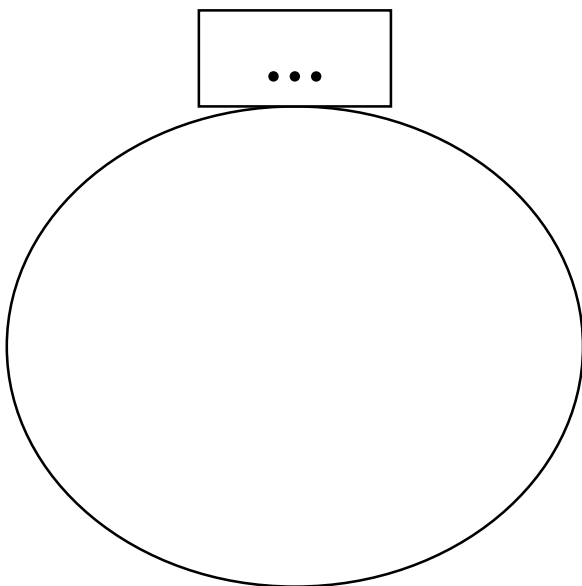
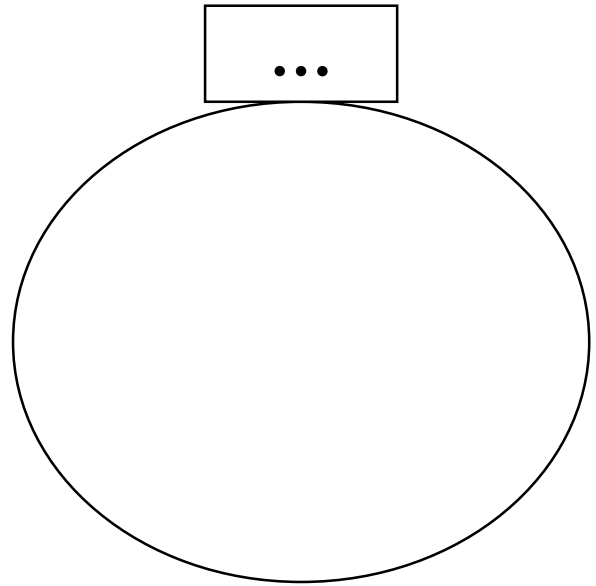
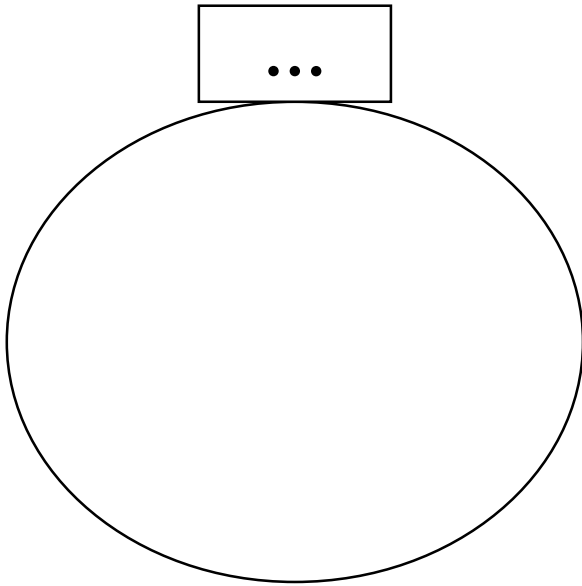
**Tutte le seguenti macchine
devono essere diverse tra**



Completa le macchine vuote:

4°
livello

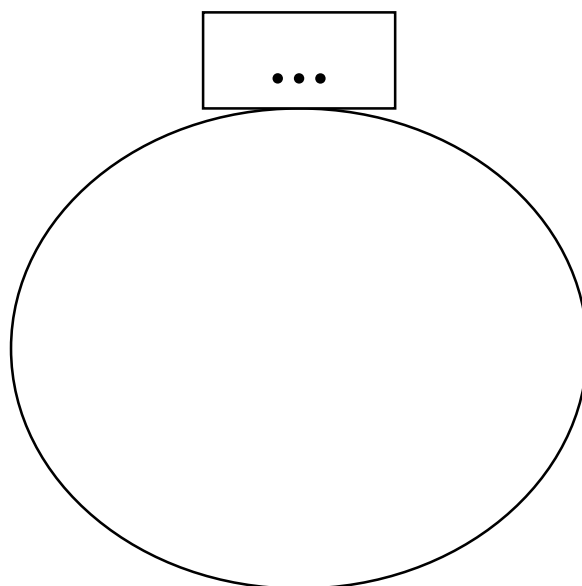
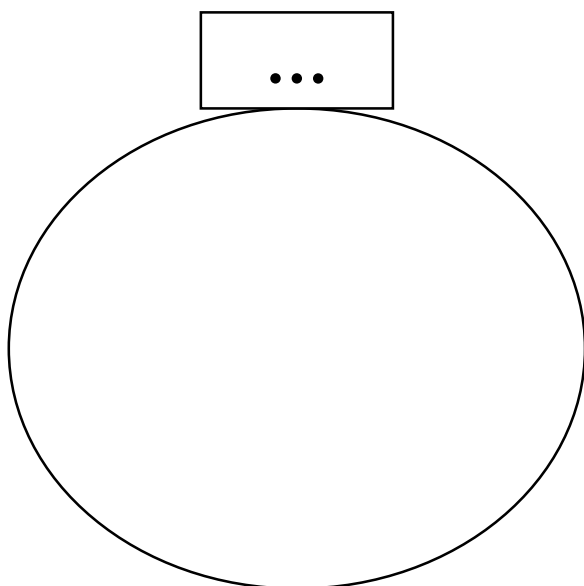
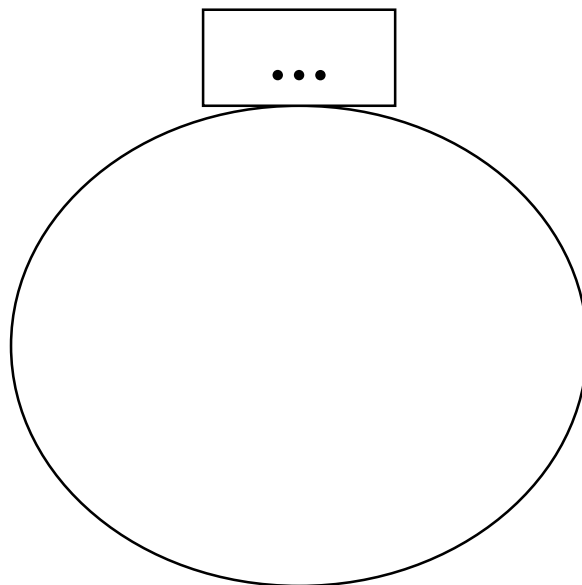
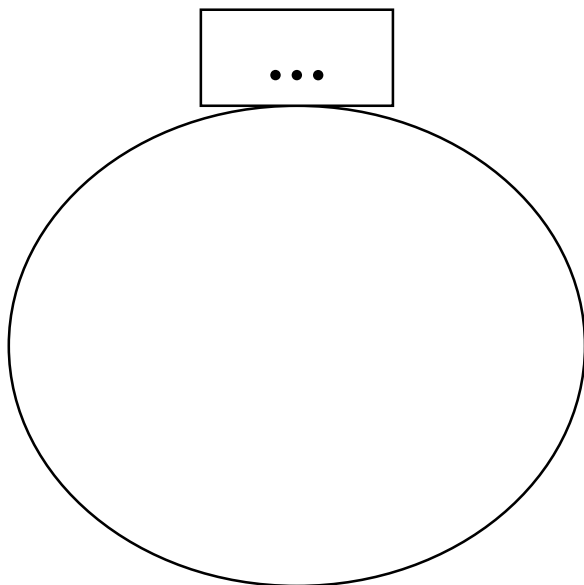
**Tutte le seguenti macchine
devono essere diverse tra**



Completa le macchine vuote:

4°
livello

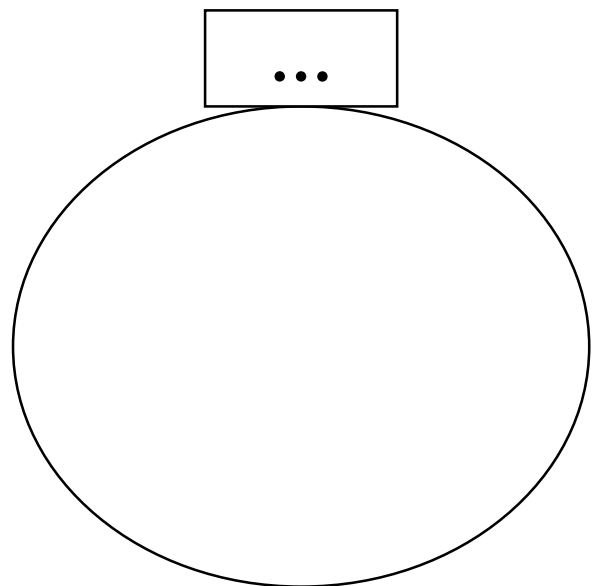
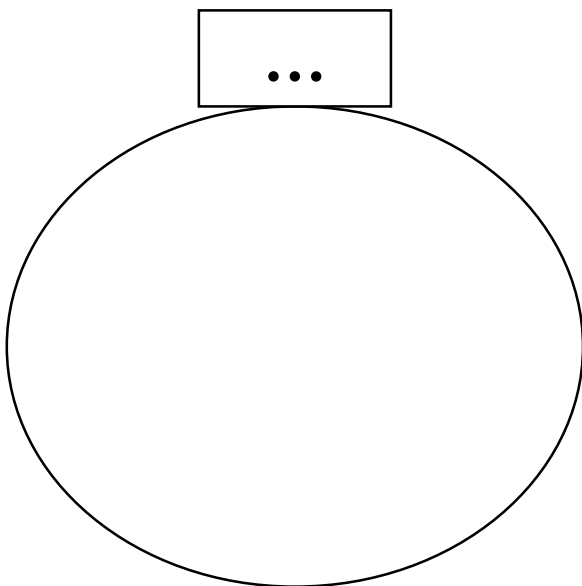
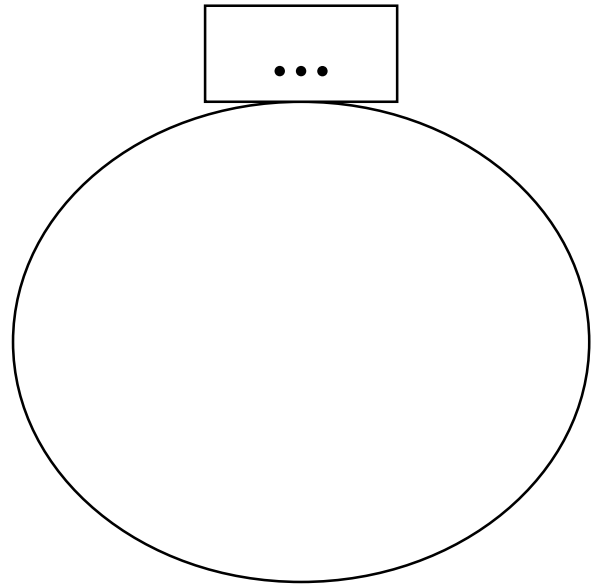
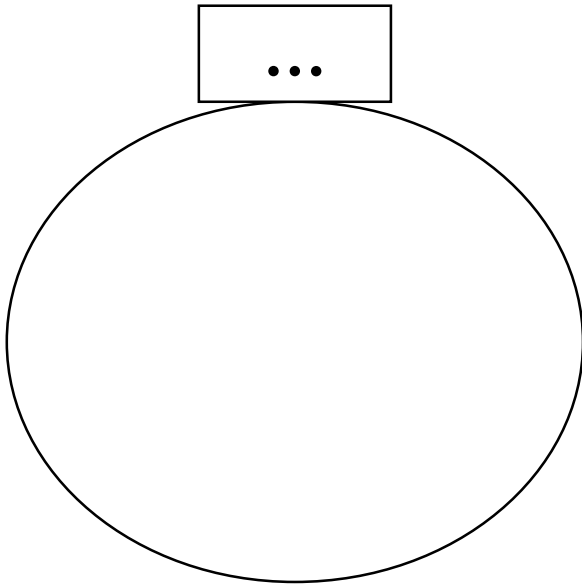
**Tutte le seguenti macchine
devono essere diverse tra**



Completa le macchine vuote:

4°
livello

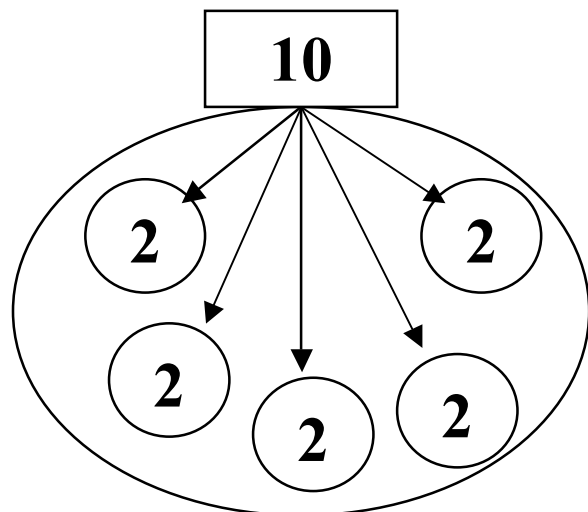
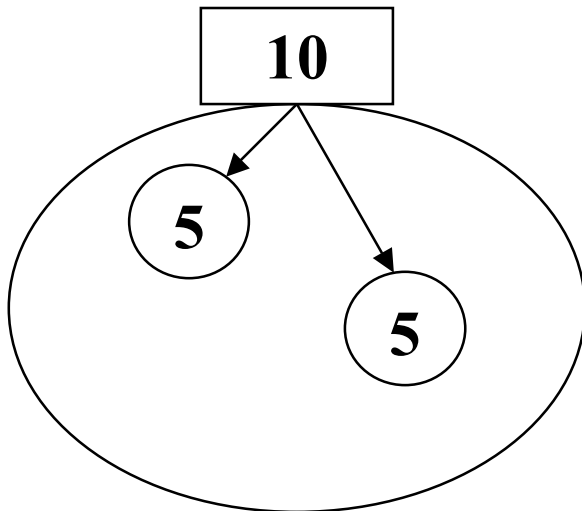
**Tutte le seguenti macchine
devono essere diverse tra**



Ora diventa complicato!

Mantenendo sempre uno stesso numero lo dividiamo in modi diversi.
Osserva l'esempio:

**5°
livello**

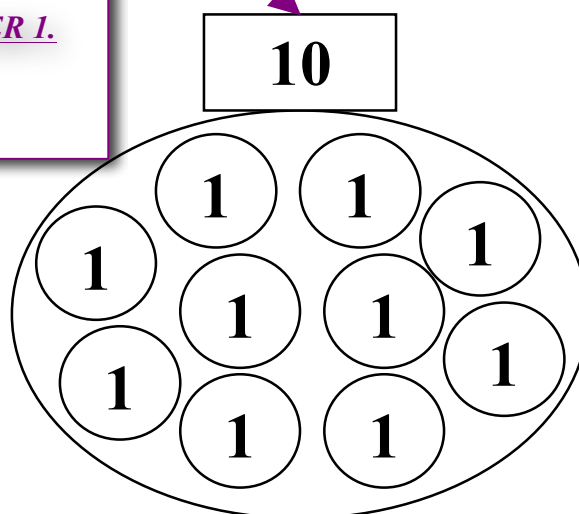


2 NUOVE REGOLE:

**1 - QUANDO I DIVISORI
SONO TANTI COME NEL
CASO DEL 10 DIVISO PER 10
FACCIAMO MENO DI
TRACCIARE LE FRECCE.**

2 - NON DIVIDIAMO PER 1.

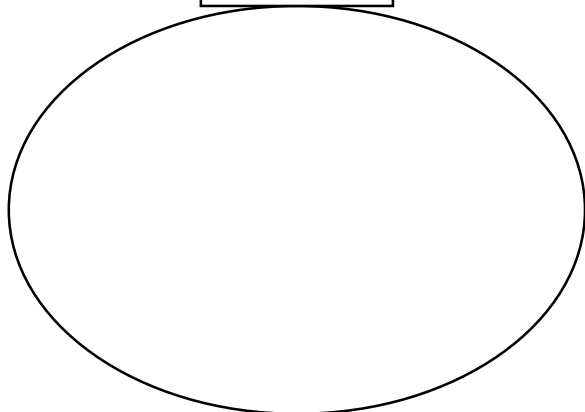
OK.



Il 10 lo abbiamo diviso in 3 modi diversi: per 2, per 5 e per 10.

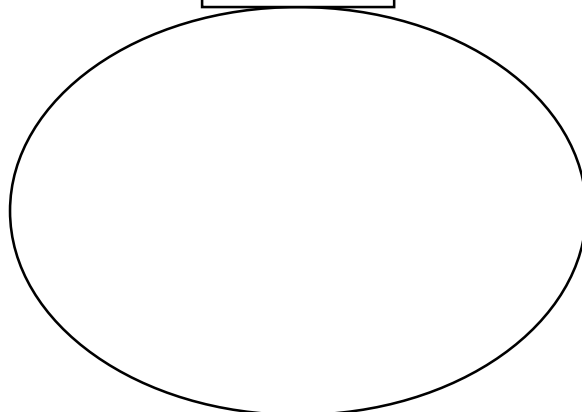
Dividi il 12 in 5 modi diversi:

12

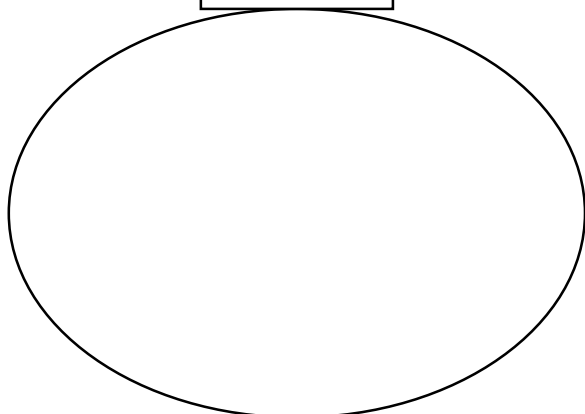


**5°
livello**

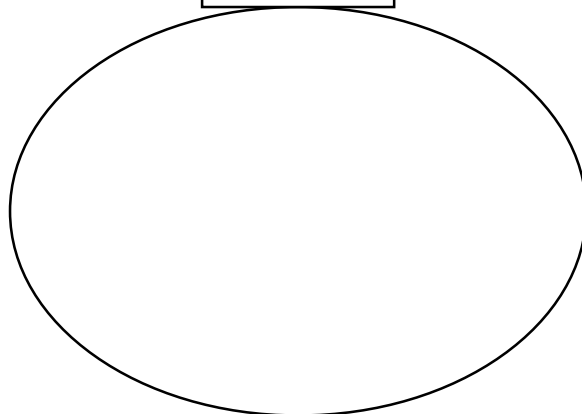
12



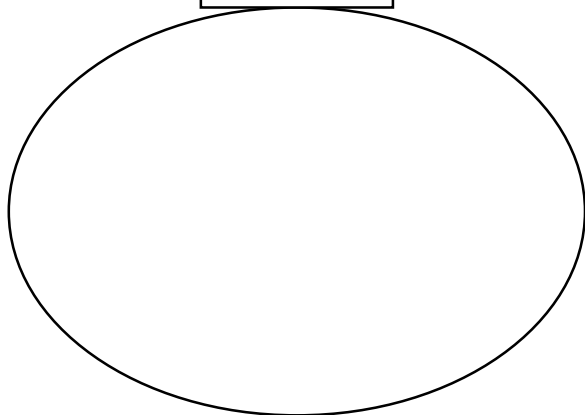
12



12

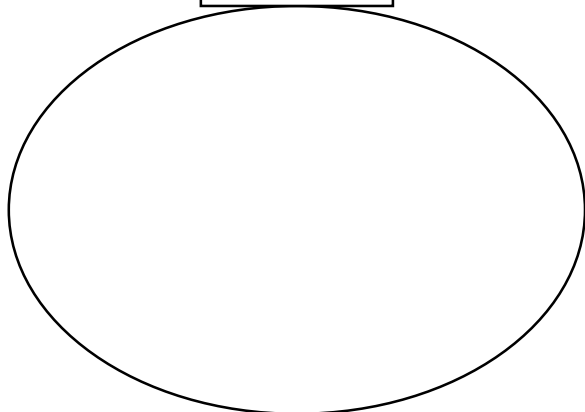


12



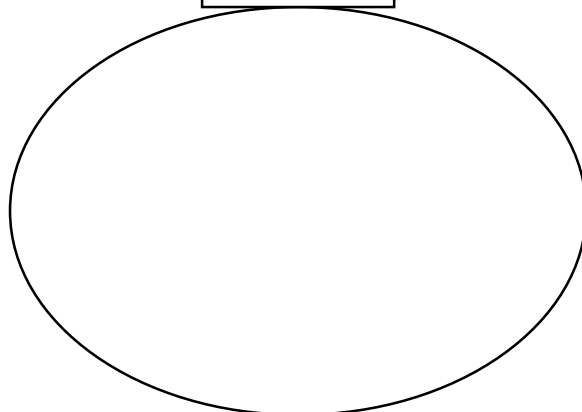
Dividi il 18 in 5 modi diversi:

18

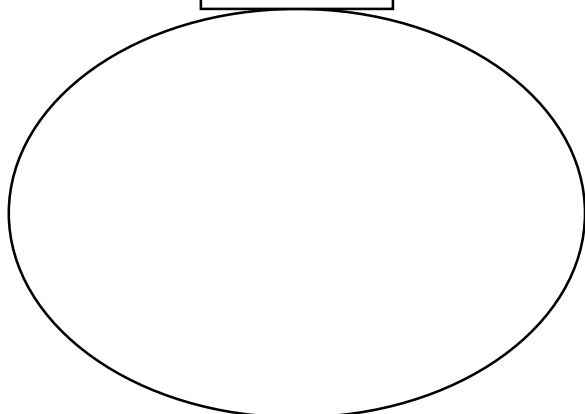


**5°
livello**

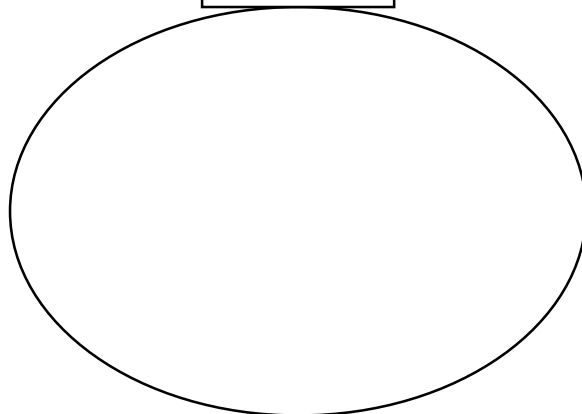
18



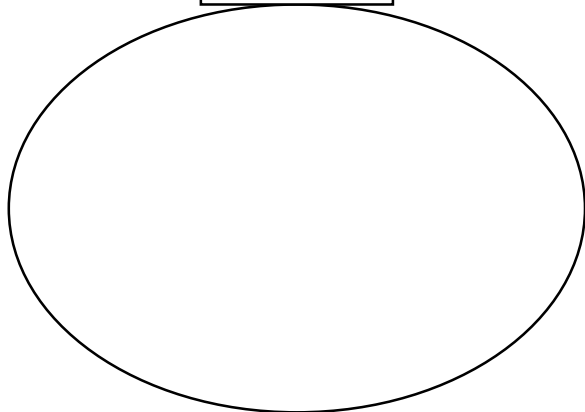
18



18



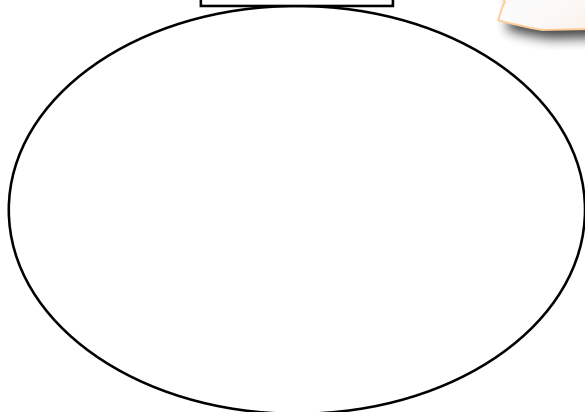
18



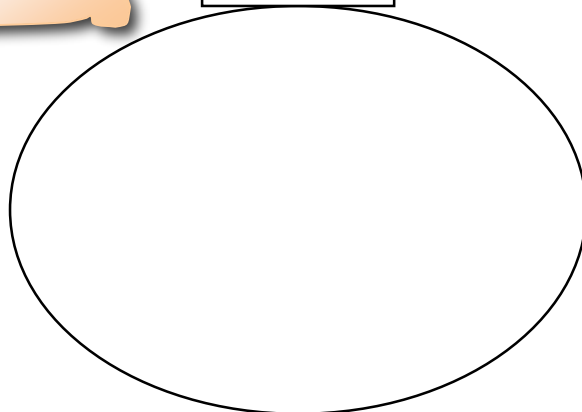
Dividi il 24 in 6 modi diversi:

5°
livello

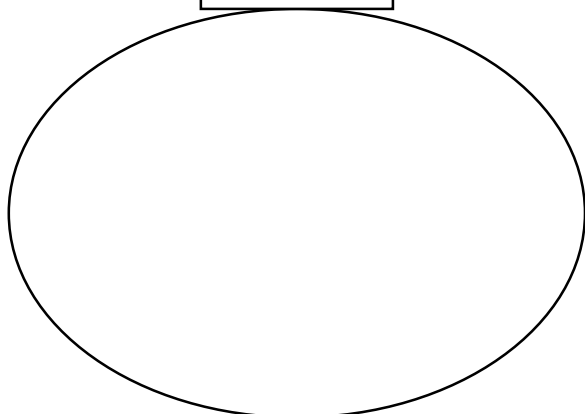
24



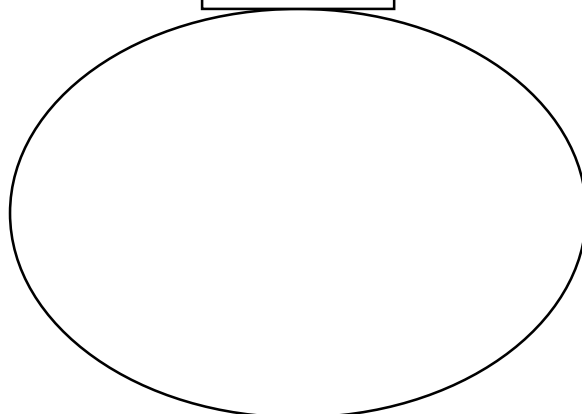
24



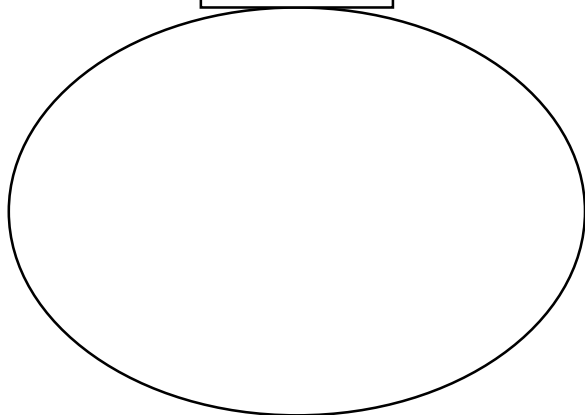
24



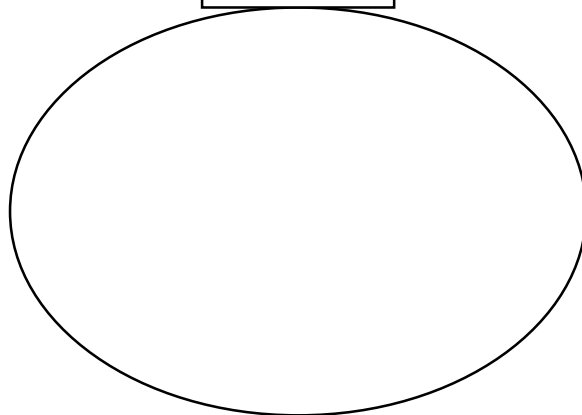
24



24



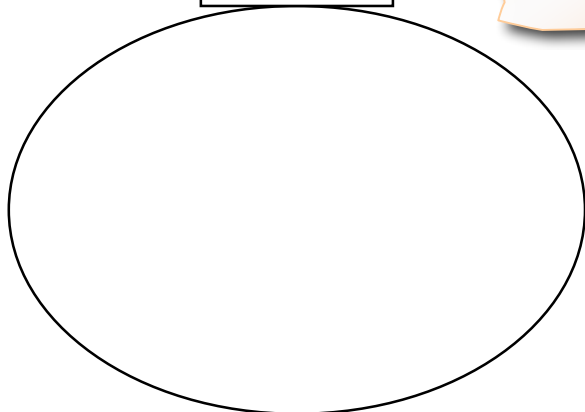
24



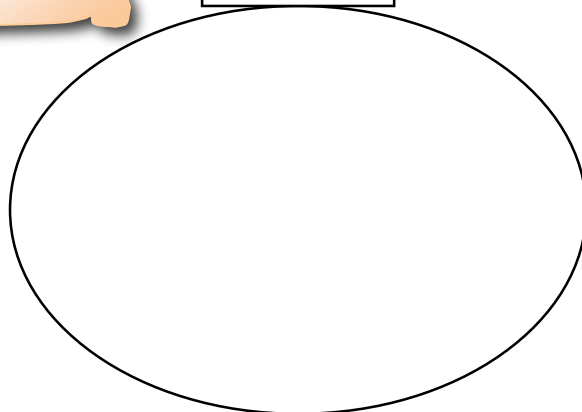
Dividi il 28 in 6 modi diversi:

5°
livello

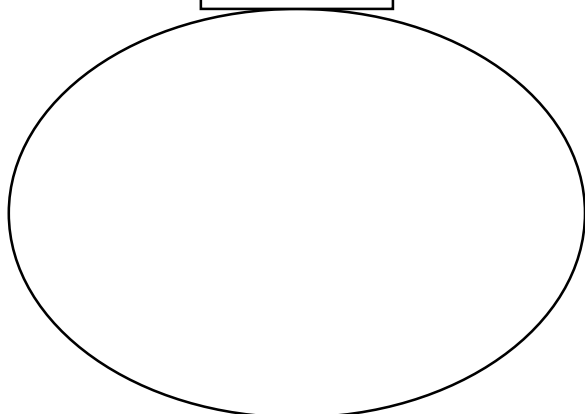
28



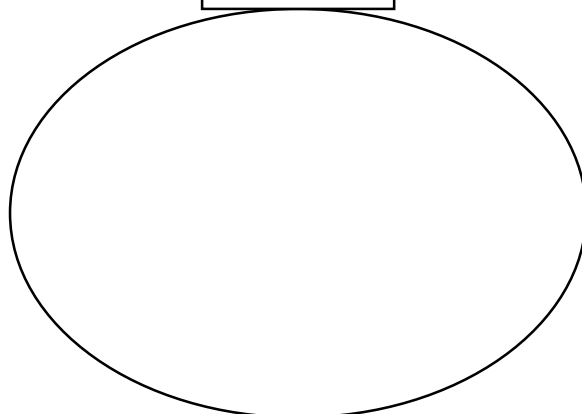
28



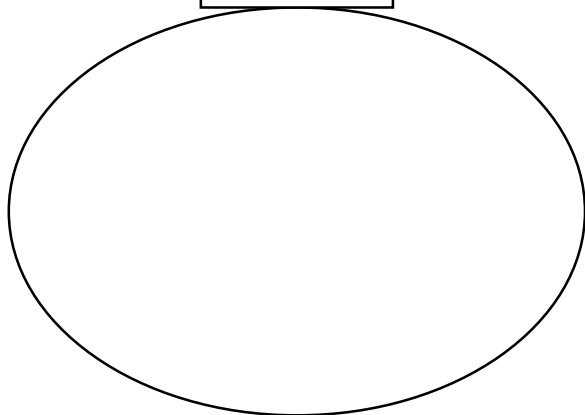
28



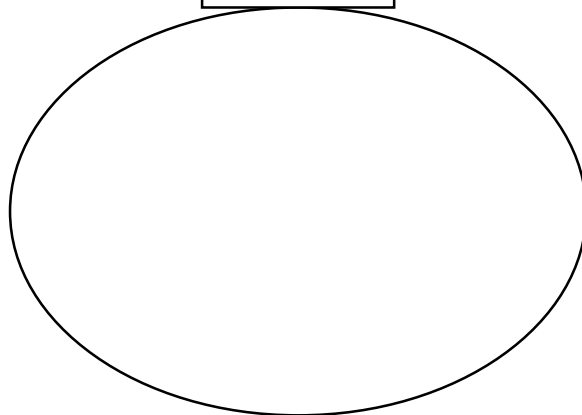
28



28

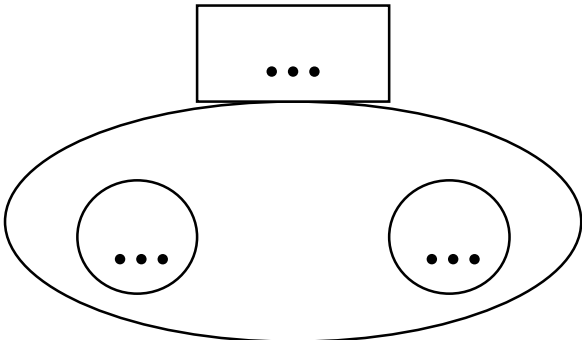
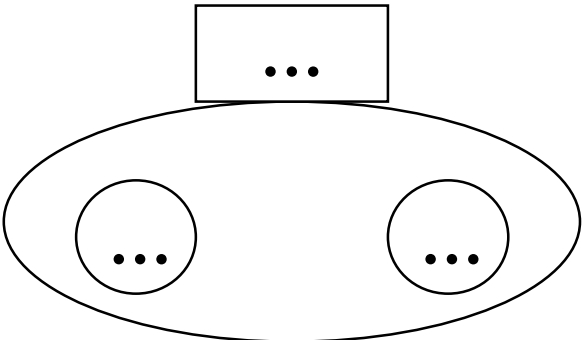
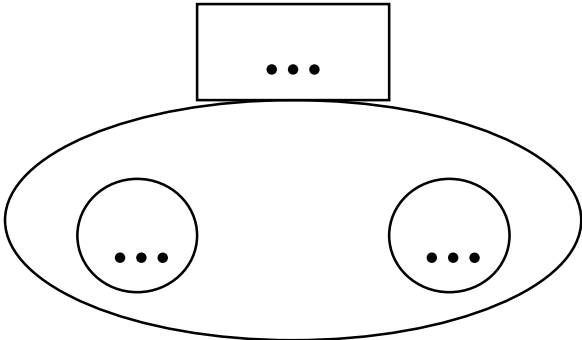
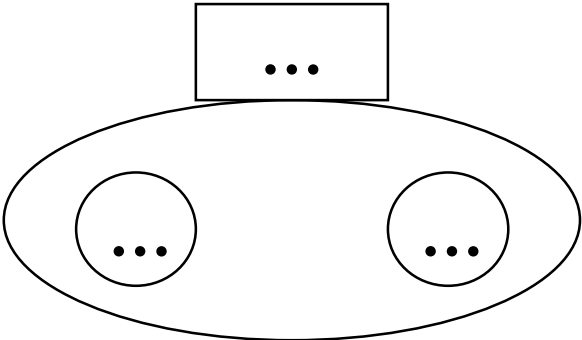
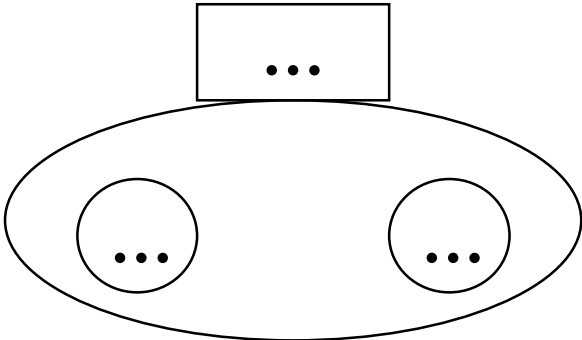
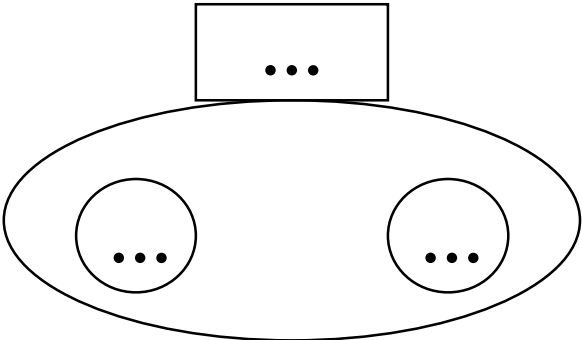
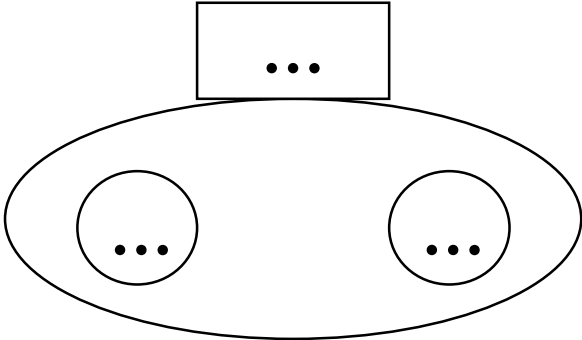
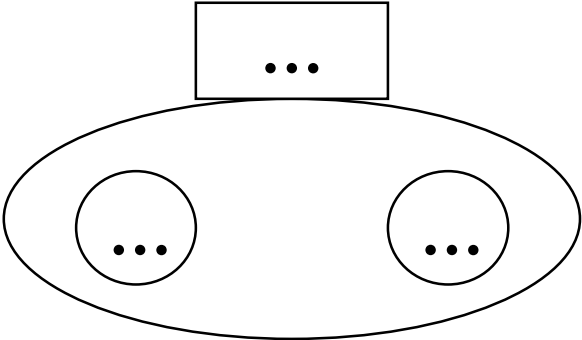
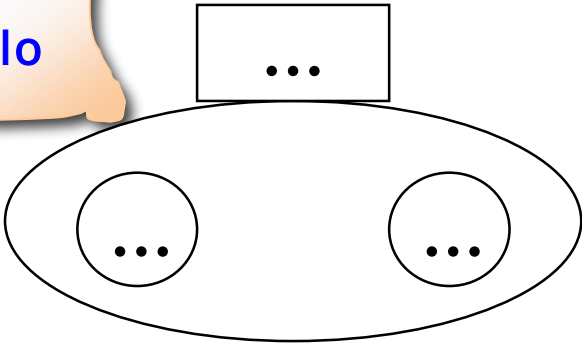
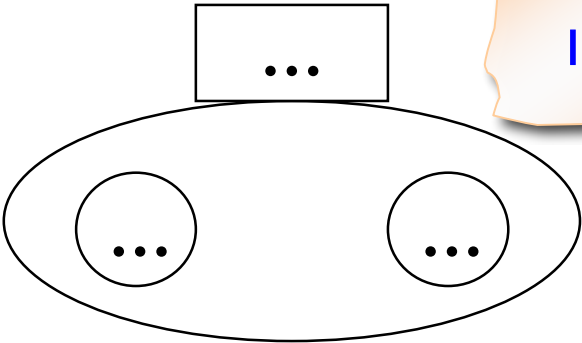


28



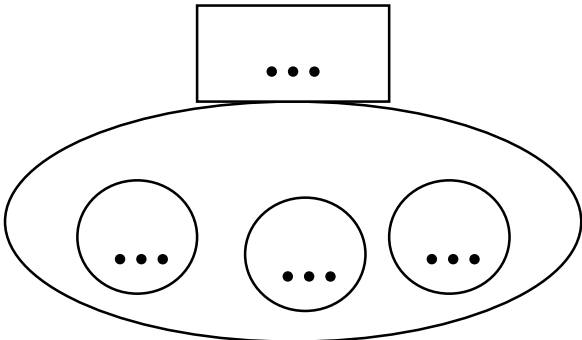
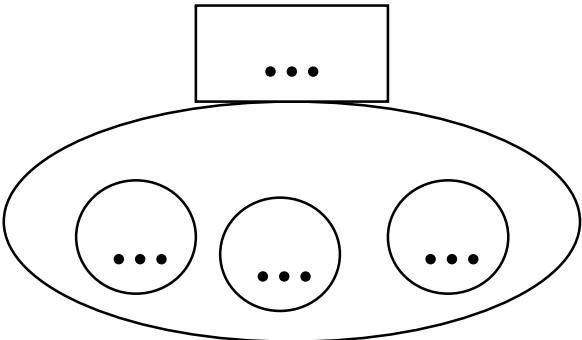
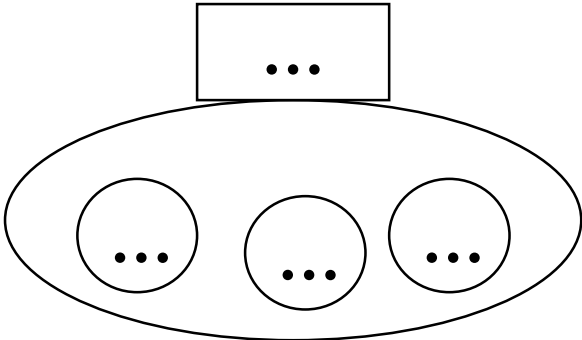
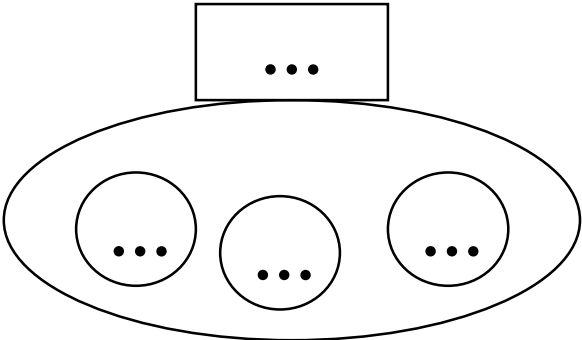
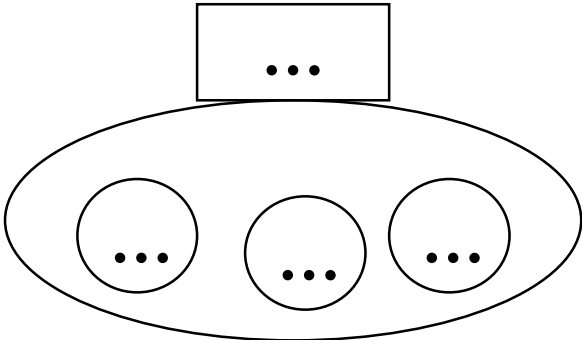
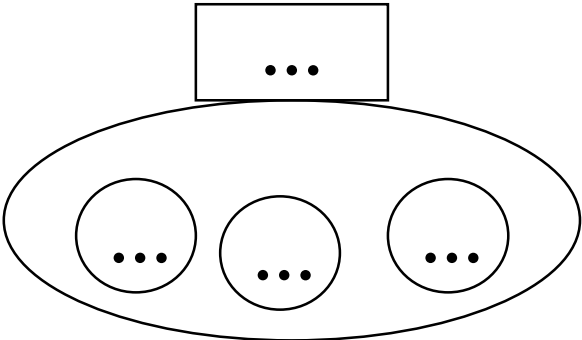
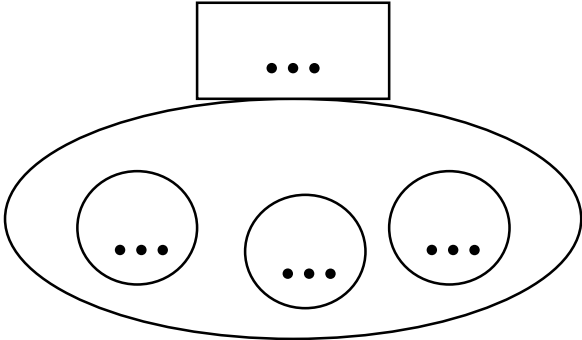
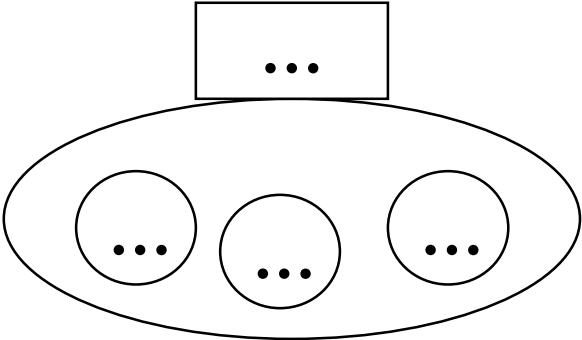
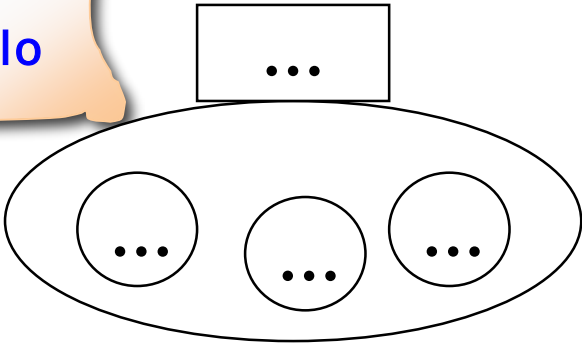
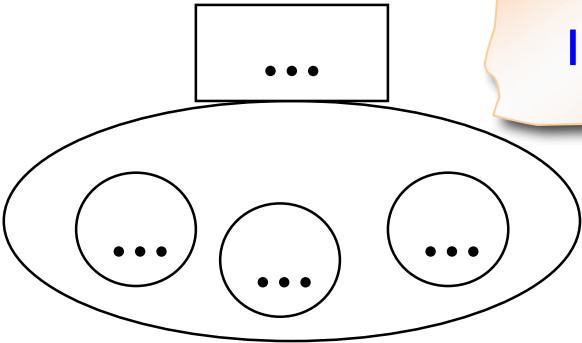
Completa queste 10 macchine
con numeri sempre diversi:

6°
livello



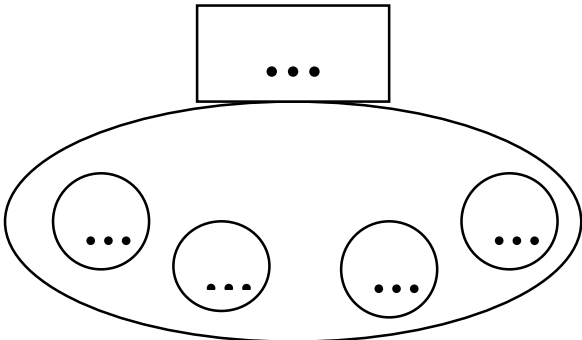
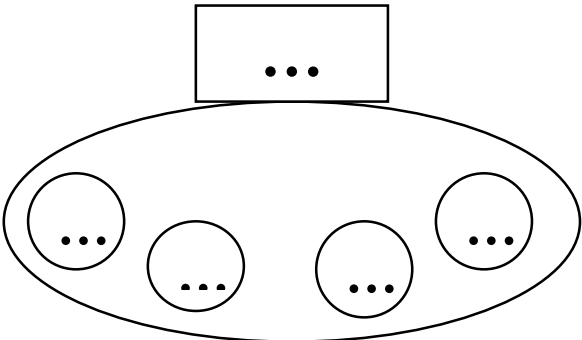
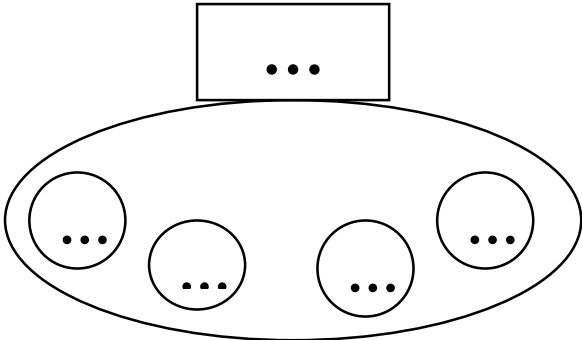
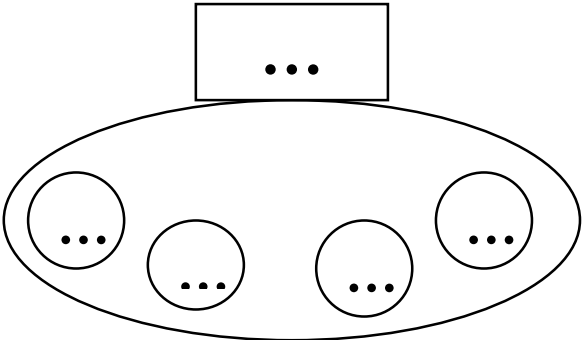
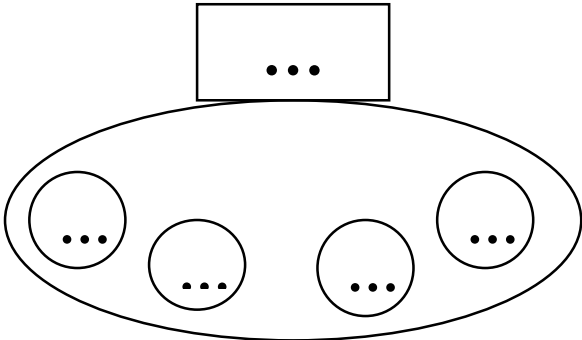
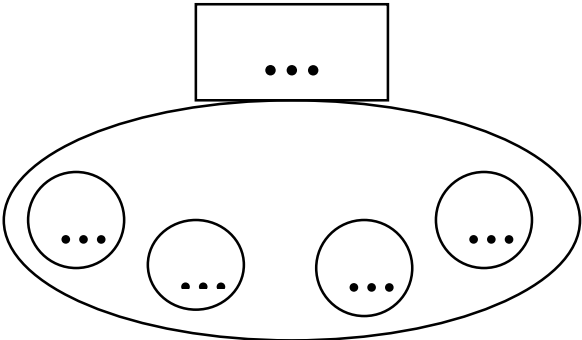
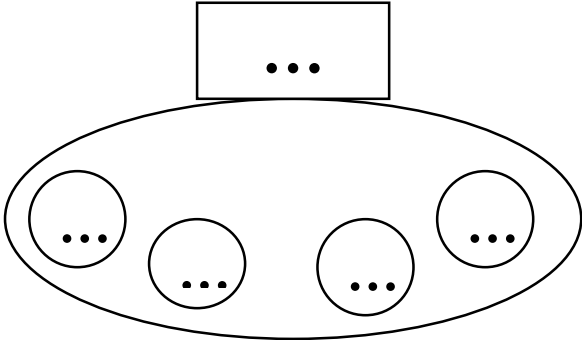
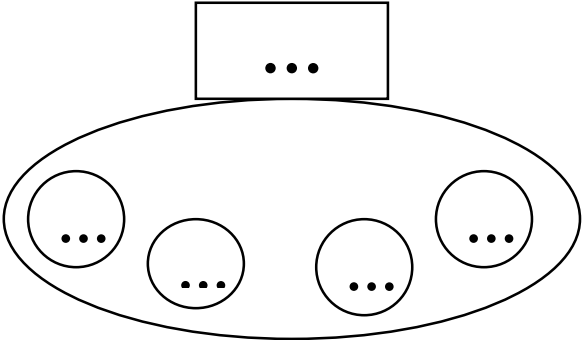
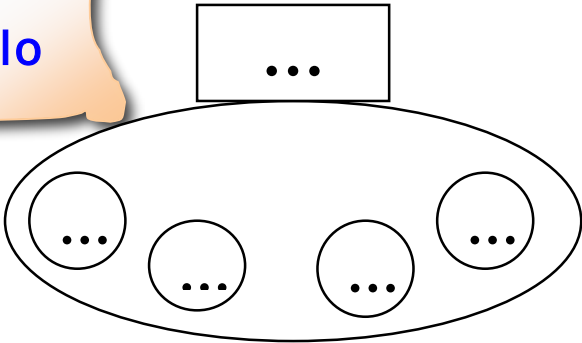
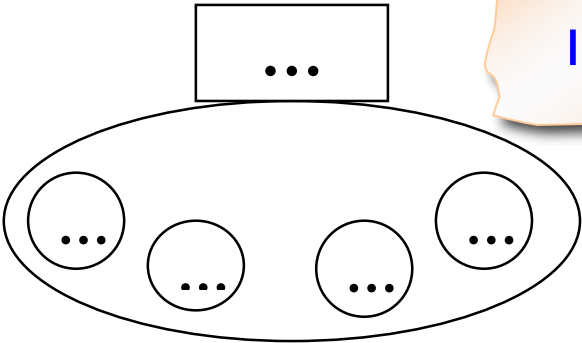
Completa queste 10 macchine
con numeri sempre diversi:

6°
livello



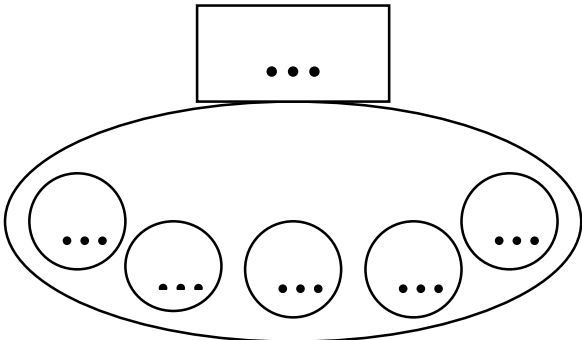
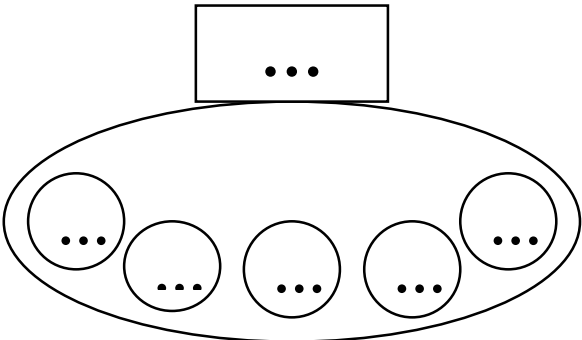
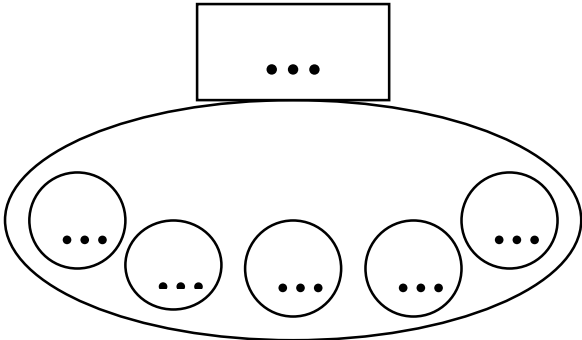
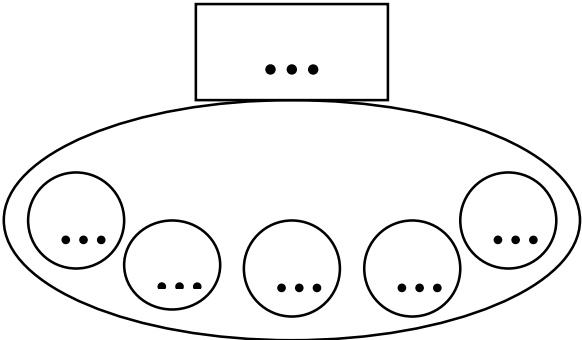
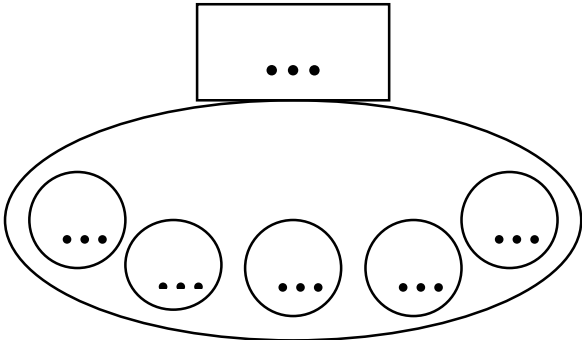
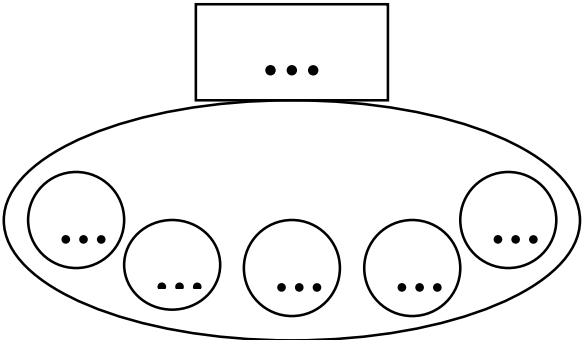
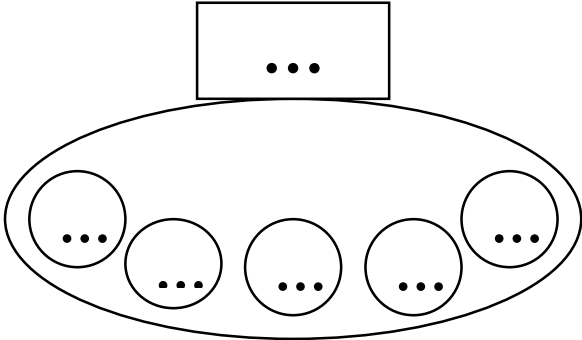
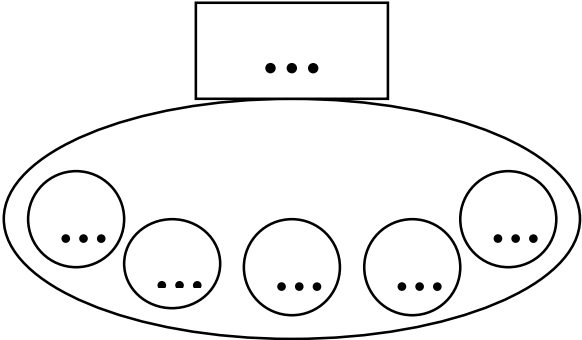
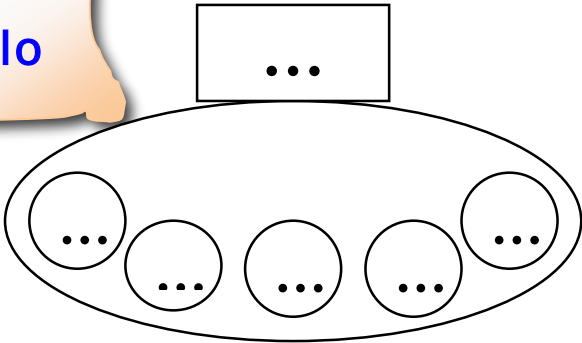
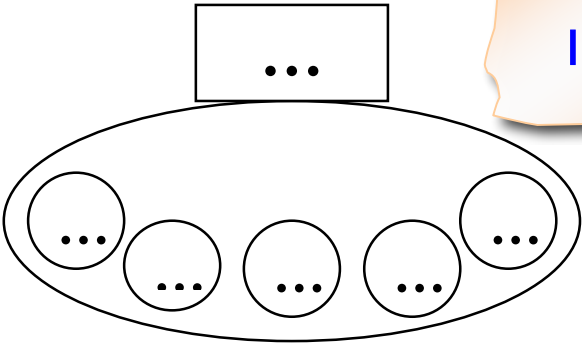
Completa queste 10 macchine
con numeri sempre diversi:

6°
livello



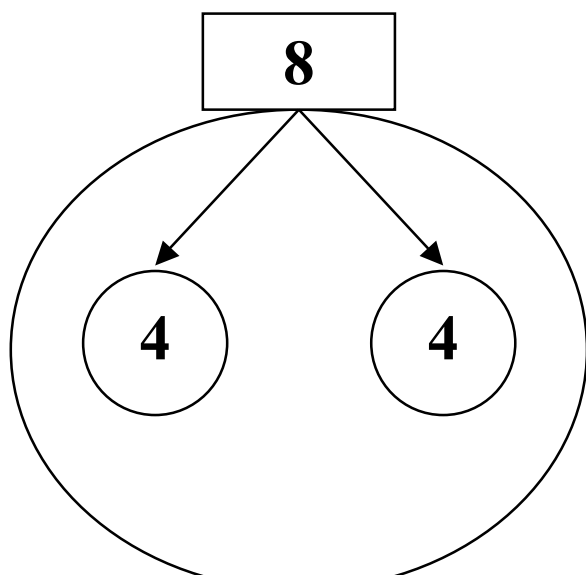
*Completa queste 10 macchine
con numeri sempre diversi:*

6°
livello



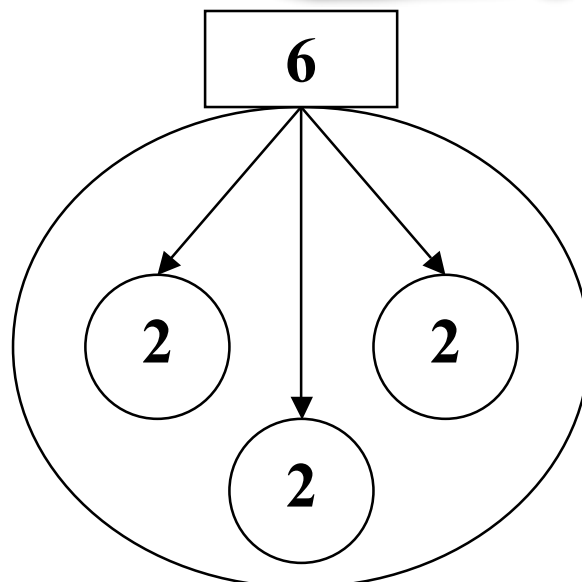
Completa le macchine scrivendo l'operazione sotto.
Per scrivere l'operazione esatta osserva le frecce.
Se vanno dall'intero ai divisori sono divisioni
come nei seguenti 4 esempi:

7°
livello



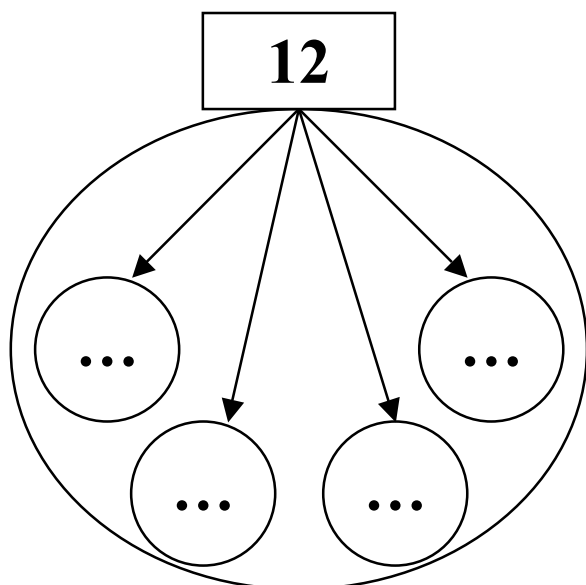
$$8 : 2 = 4$$

L'8 è stato diviso per 2



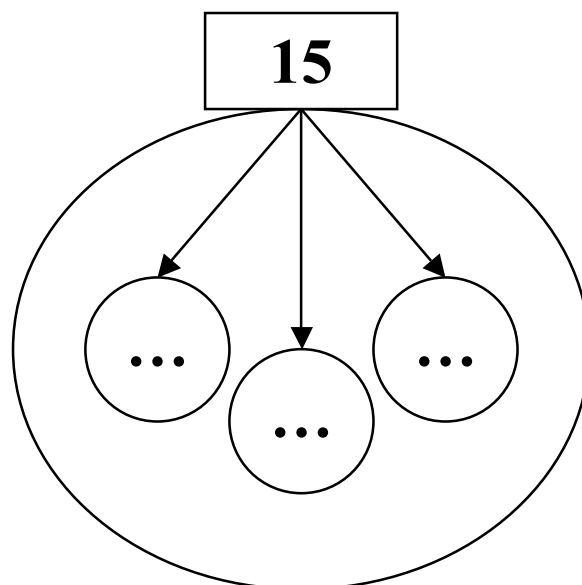
$$6 : 3 = 2$$

Il 6 è stato diviso per 3



$$12 : \dots = \dots$$

Il 12 è stato diviso per ...

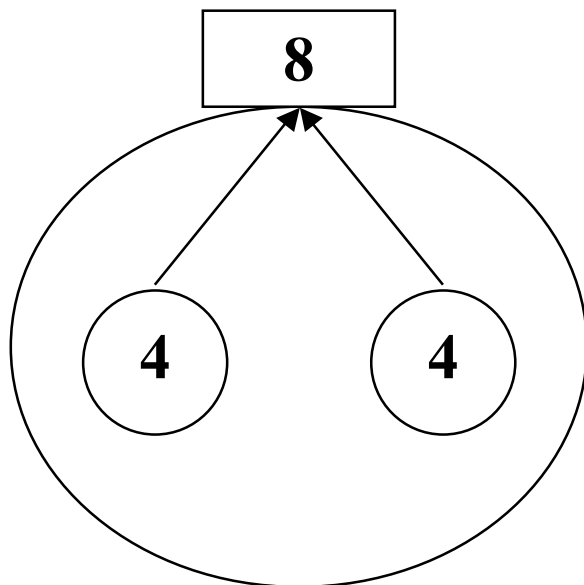


$$15 : \dots = \dots$$

Il 15 è stato diviso per ...

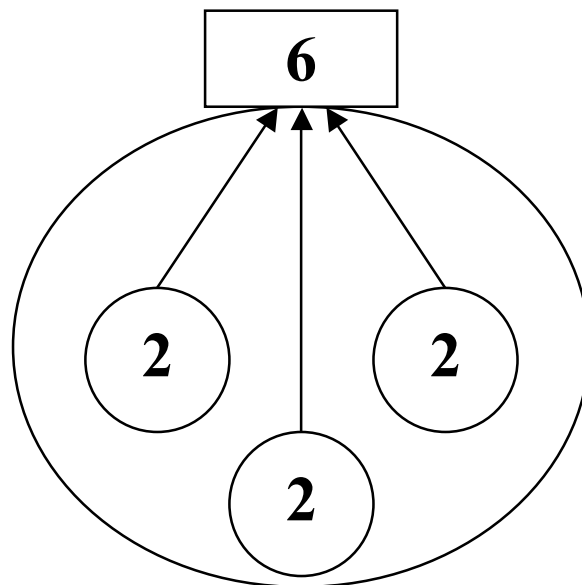
Se le frecce vanno dai divisori all'intero allora sono moltiplicazioni.

Osserva questi 4 esempi:



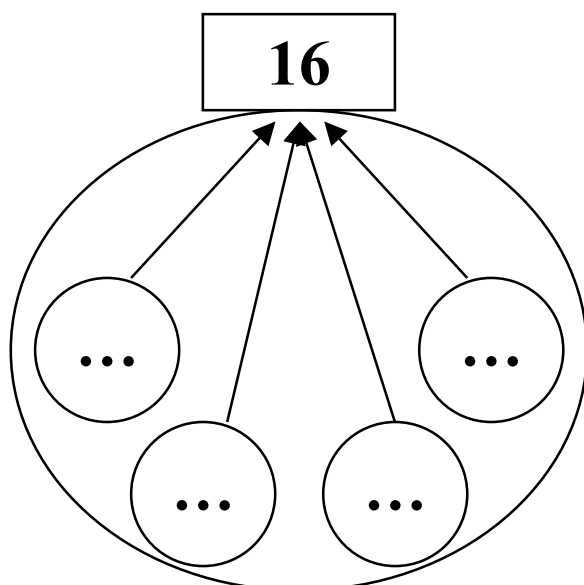
$$4 \times 2 = 8$$

Il 4 è stato moltiplicato per 2



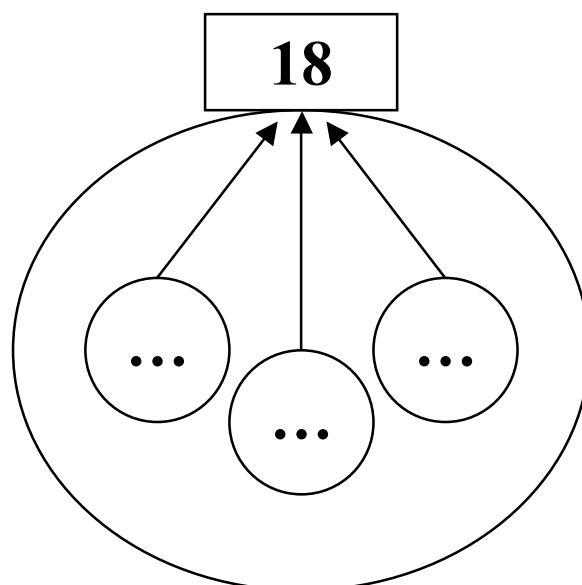
$$2 \times 3 = 6$$

Il 2 è stato moltiplicato per 3



$$\dots \times 4 = 16$$

Il ... è stato moltiplicato per 4

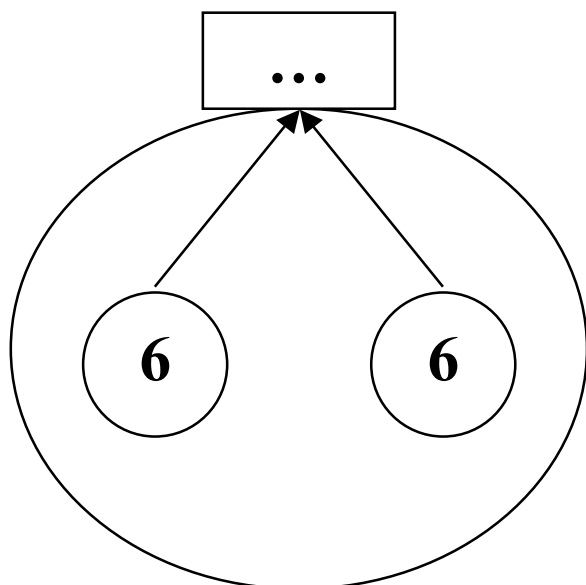


$$\dots \times 3 = 18$$

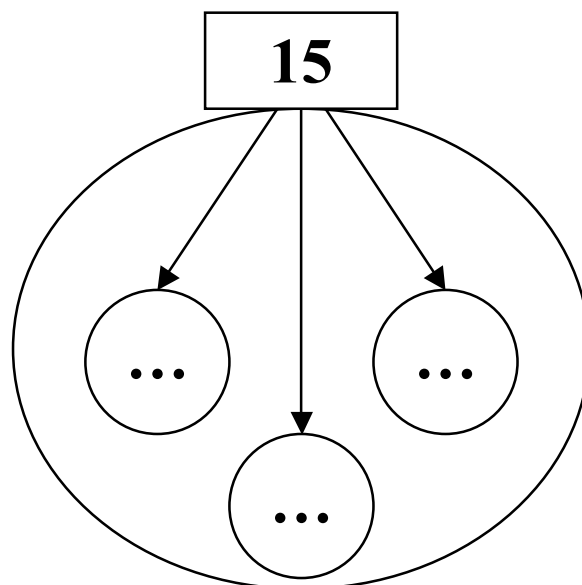
Il ... è stato moltiplicato per 3

Completa queste 4 macchine.
Osserva bene le frecce!!!

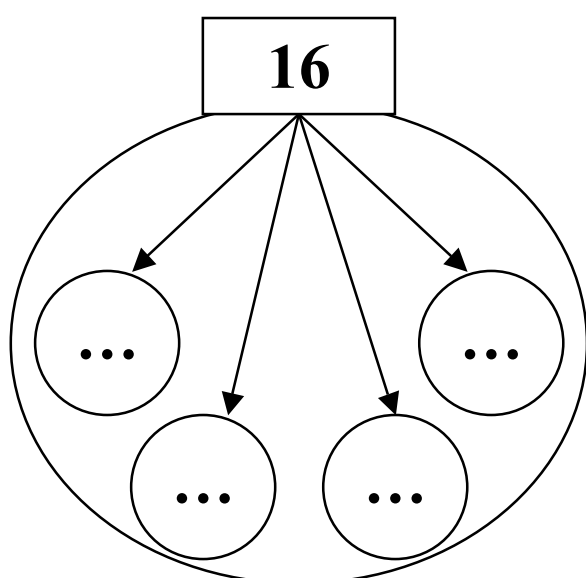
7°
livello



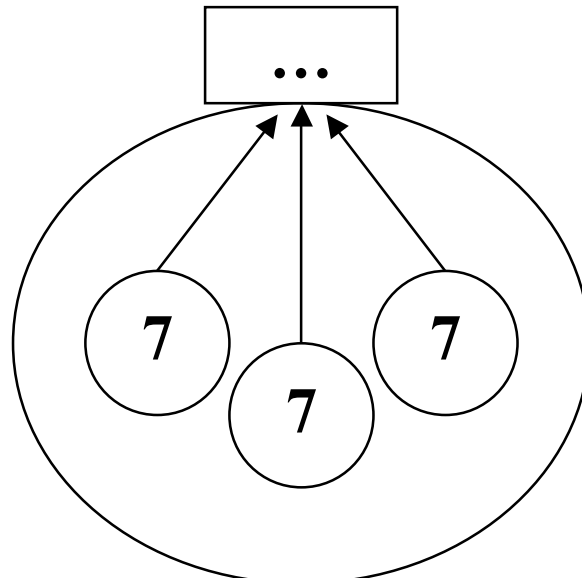
... .. **2** = ...
 Il ... è stato per 2



... .. **3** = ...
 Il ... è stato per 3

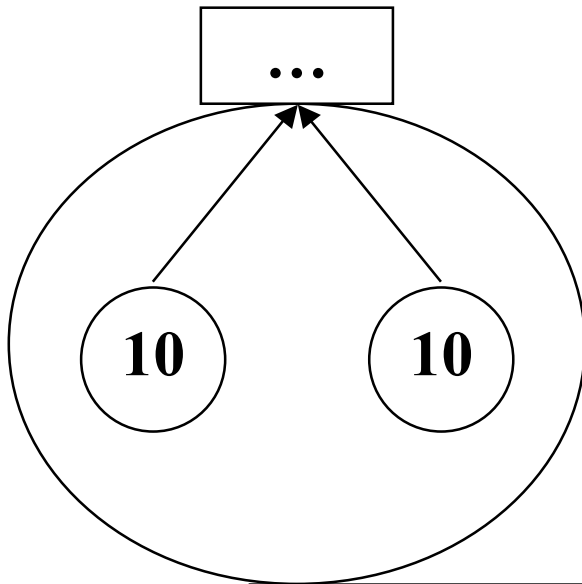


... .. **4** = ...
 Il ... è stato per 4

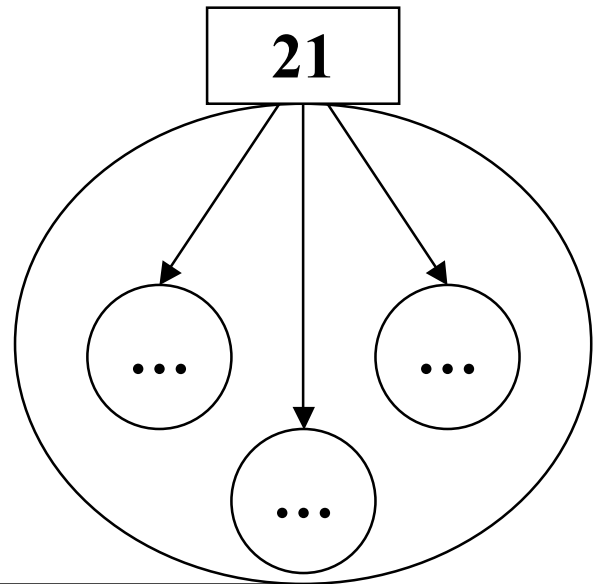


... .. **3** = ...
 Il ... è stato per 3

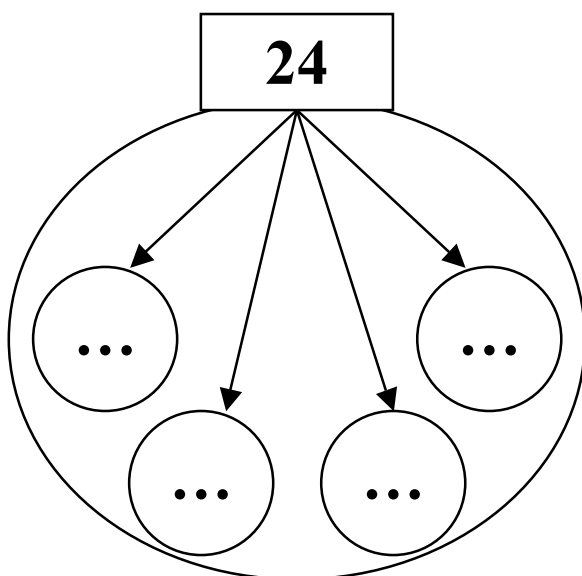
Completa queste 4 macchine.
Osserva bene le frecce!!!



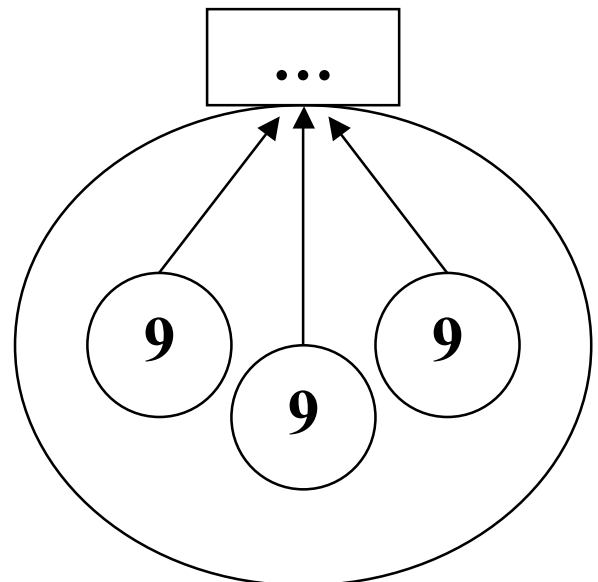
... .. **2** = ...
 Il ... è stato per 2



... .. **3** = ...
 Il ... è stato per 3



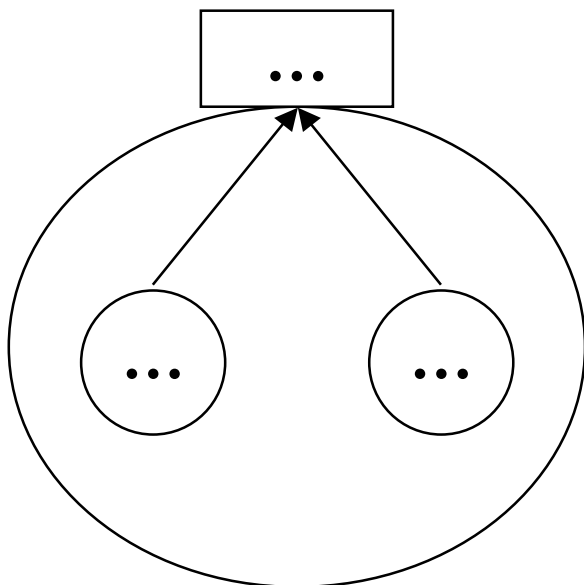
... .. **4** = ...
 Il ... è stato per 4



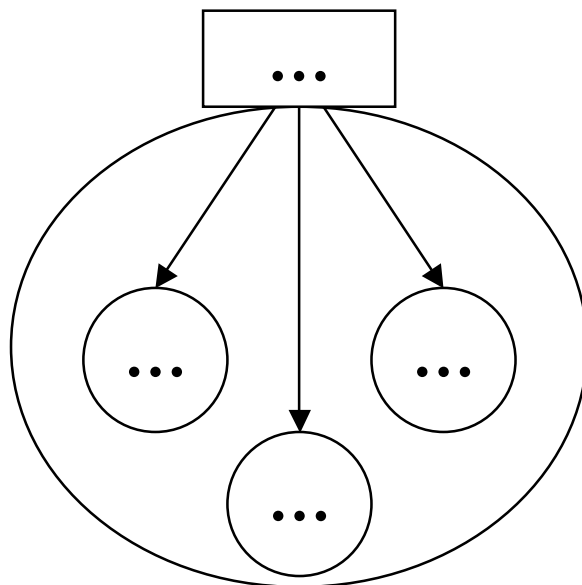
... .. **3** = ...
 Il ... è stato per 3

Completa queste 4 macchine inserendo i numeri.
Osserva sempre le frecce!!!

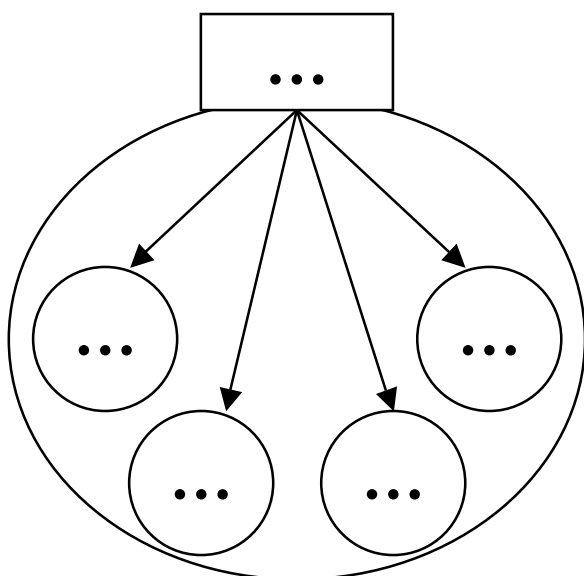
7°
livello



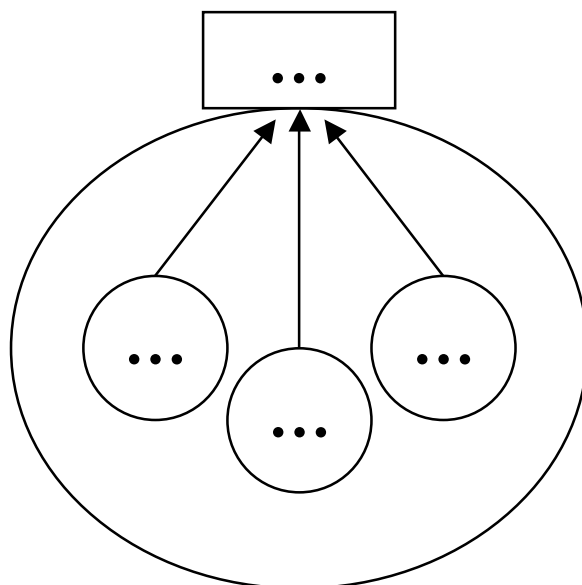
... .. **2** = ...
 Il ... è stato per 2



... .. **3** = ...
 Il ... è stato per 3



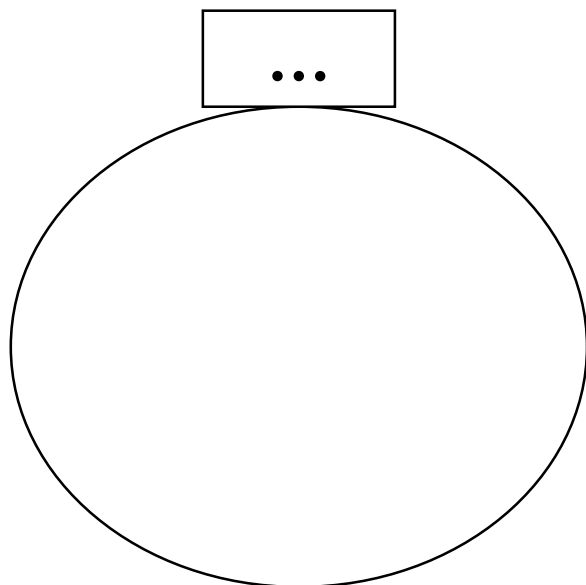
... .. **4** = ...
 Il ... è stato per 4



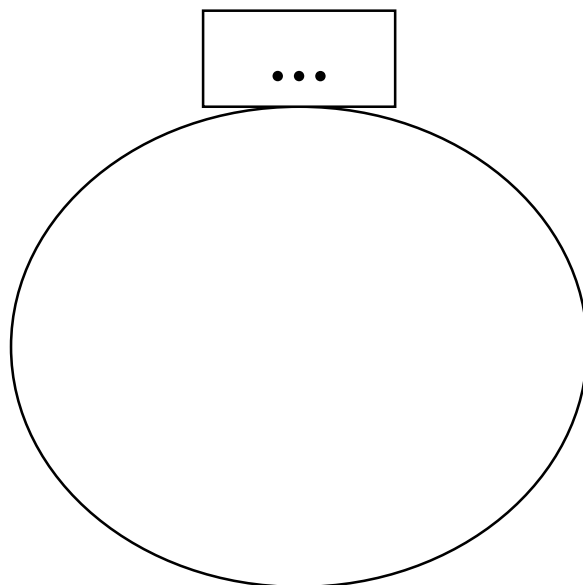
... .. **3** = ...
 Il ... è stato per 3

Completa queste 4 macchine vuote con divisioni.
Traccia le frecce e sotto scrivi l'operazione.

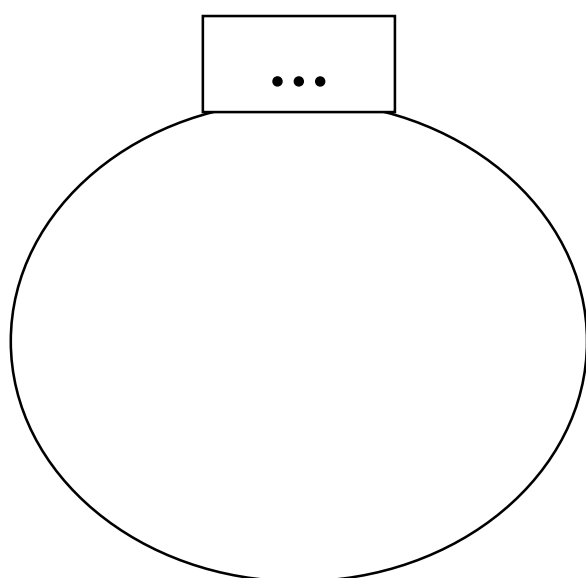
7°
livello



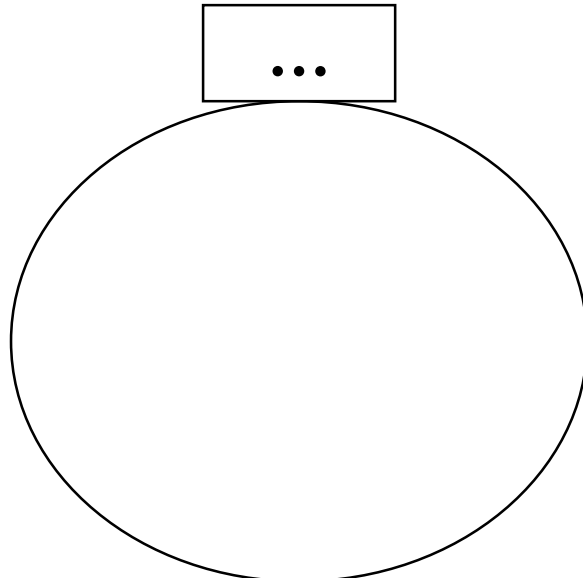
... : ... = ...
Il ... è stato per ...



... : ... = ...
Il ... è stato per ...



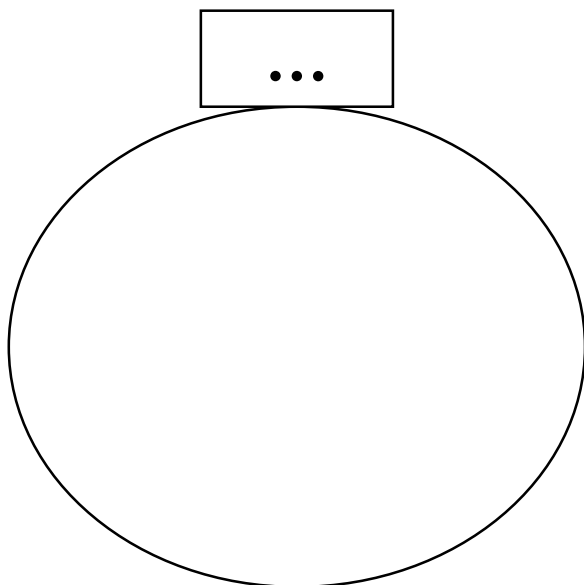
... : ... = ...
Il ... è stato per ...



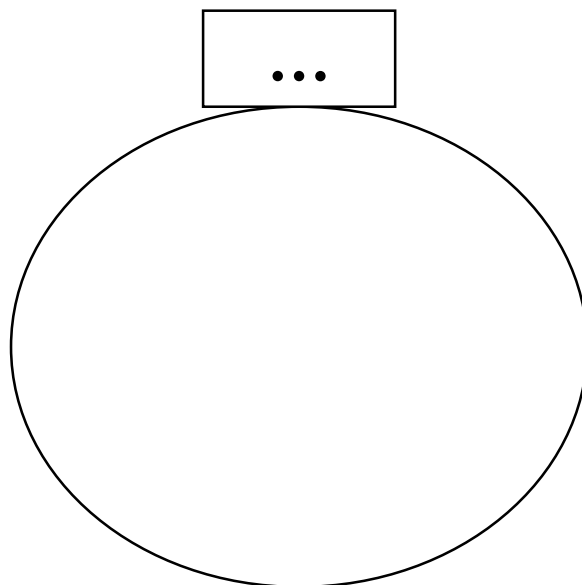
... : ... = ...
Il ... è stato per ...

Completa queste 4 macchine vuote con moltiplicazioni.
Traccia le frecce e sotto scrivi l'operazione.

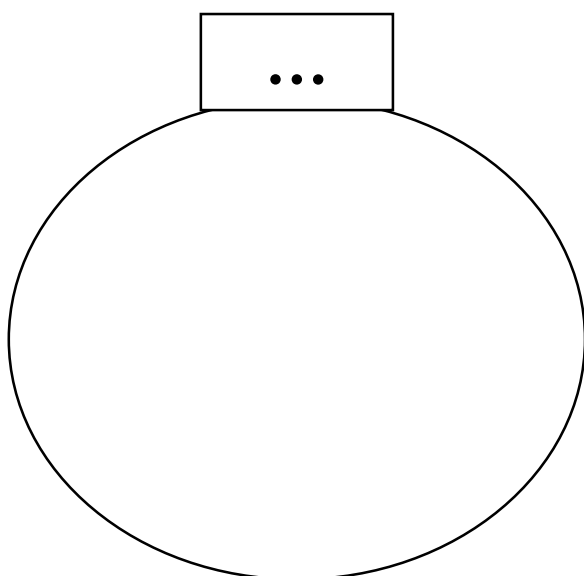
7°
livello



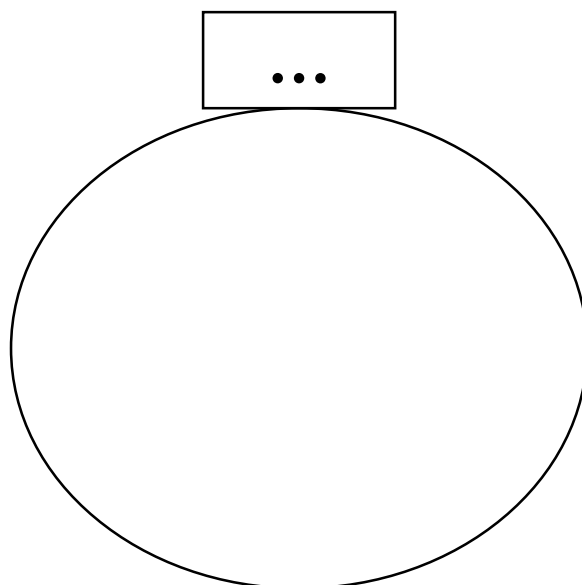
... **X** ... = ...
Il ... è stato per ...



... **X** ... = ...
Il ... è stato per ...

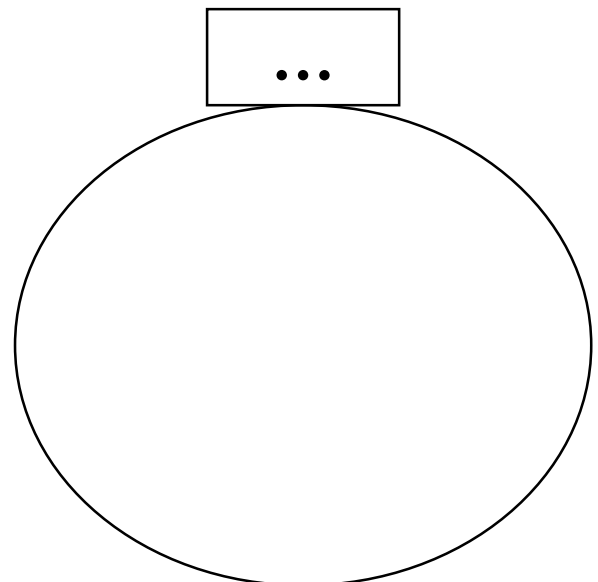
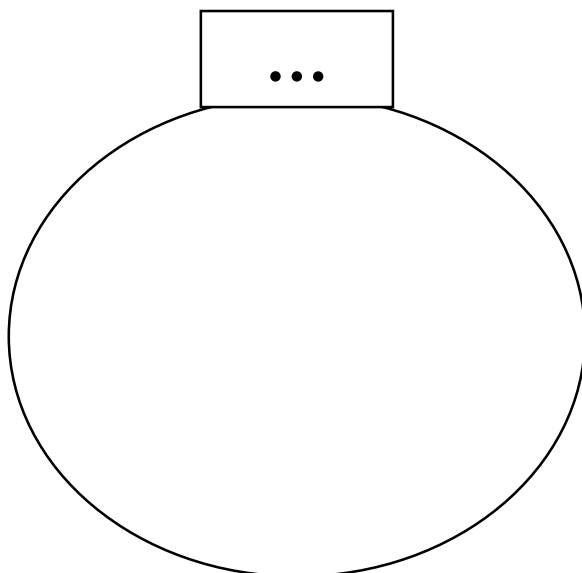
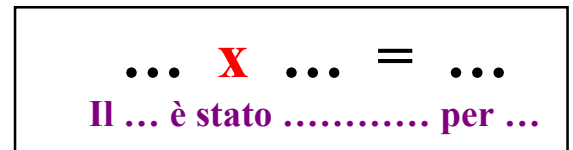
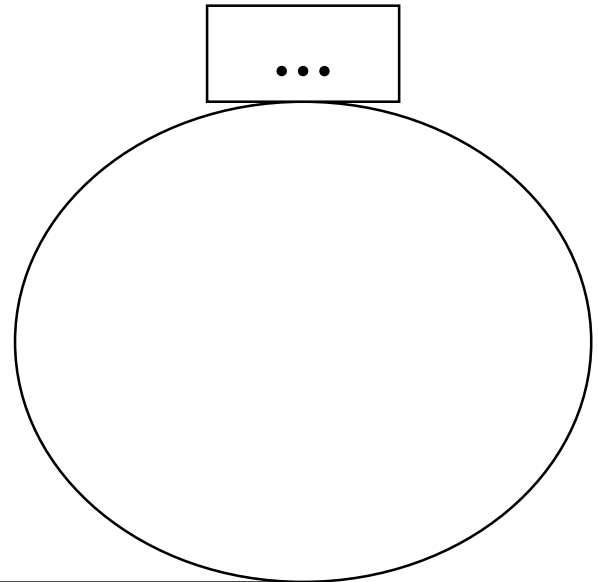
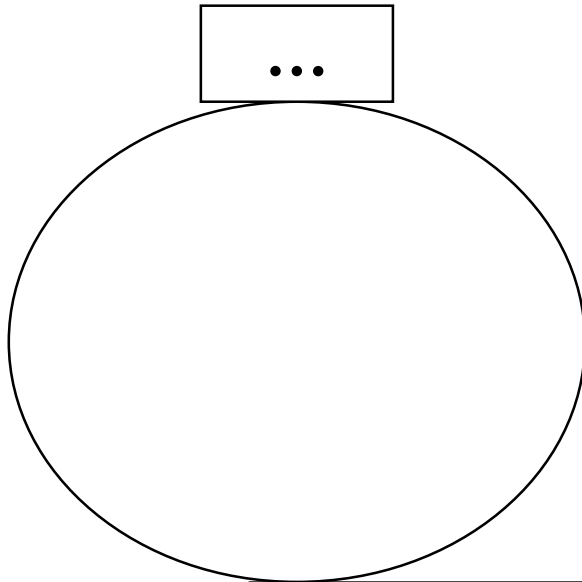


... **X** ... = ...
Il ... è stato per ...

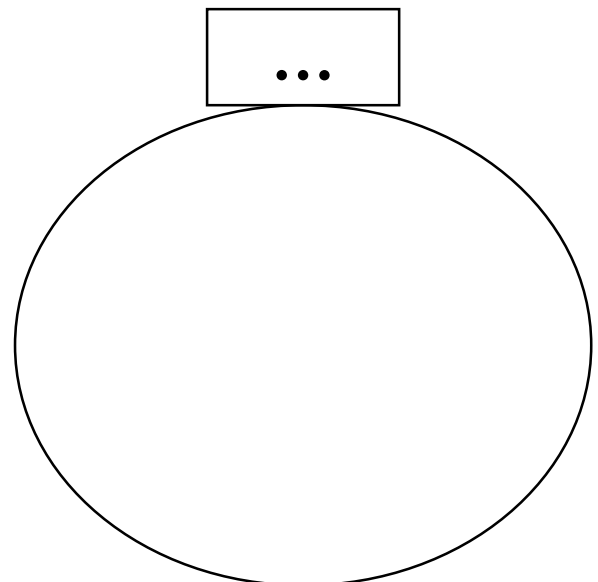
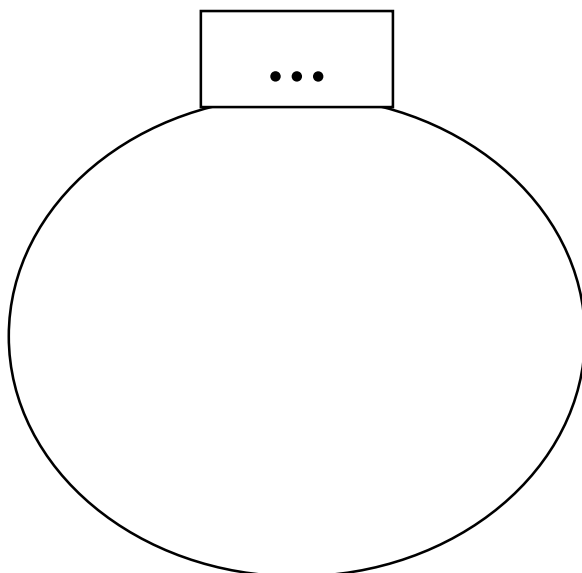
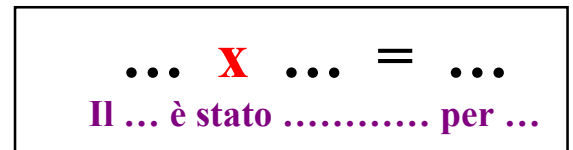
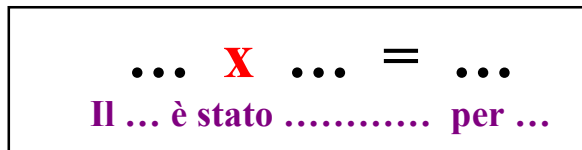
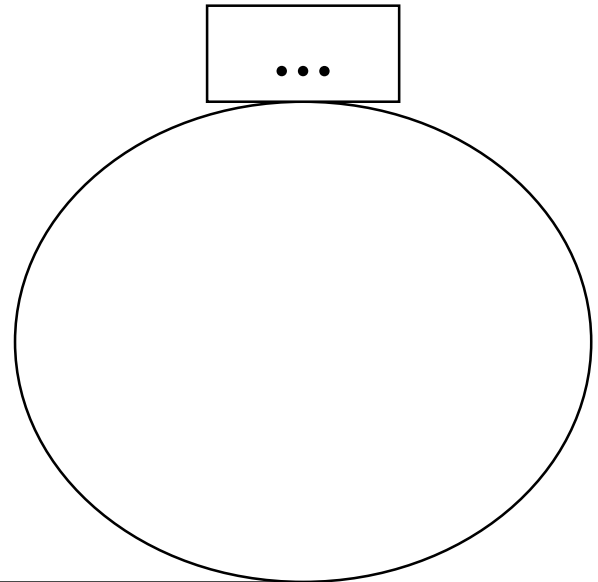
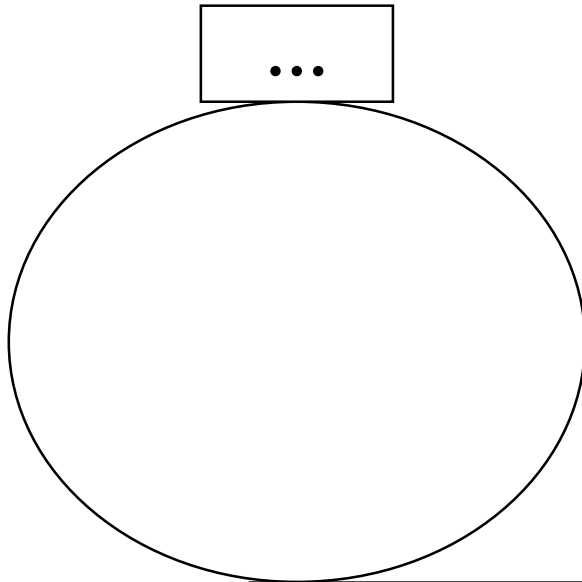


... **X** ... = ...
Il ... è stato per ...

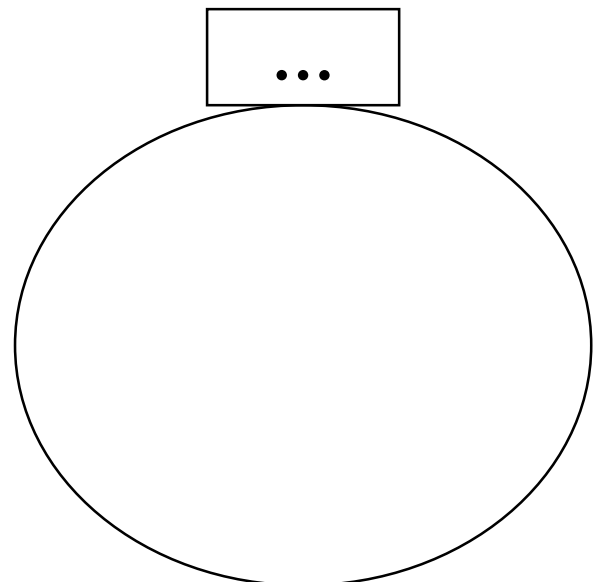
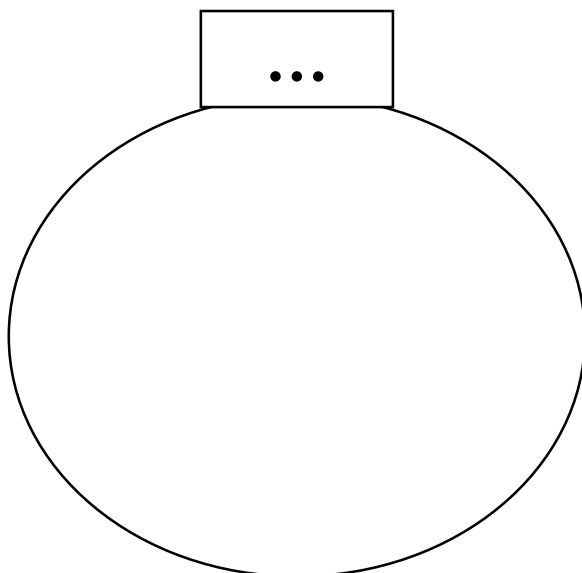
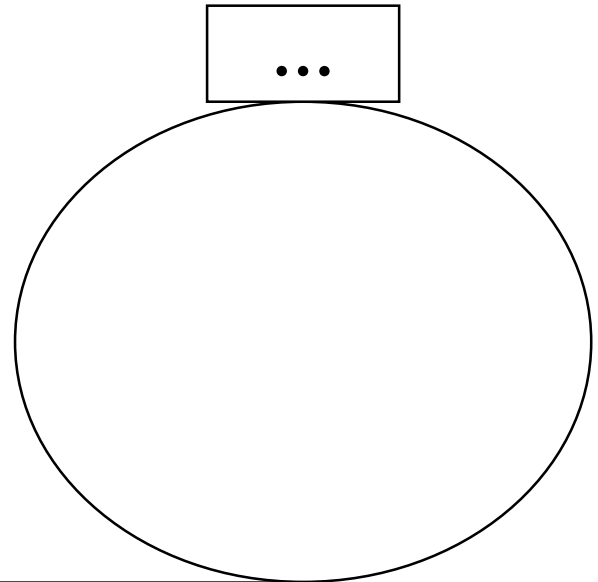
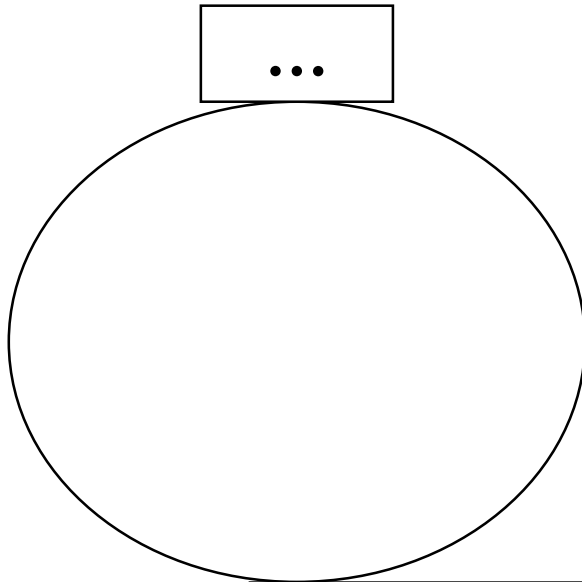
Completa queste 4 macchine vuote.
Osserva bene il simbolo dell'operazione sotto.



Completa queste 4 macchine vuote.
Osserva bene il simbolo dell'operazione sotto.

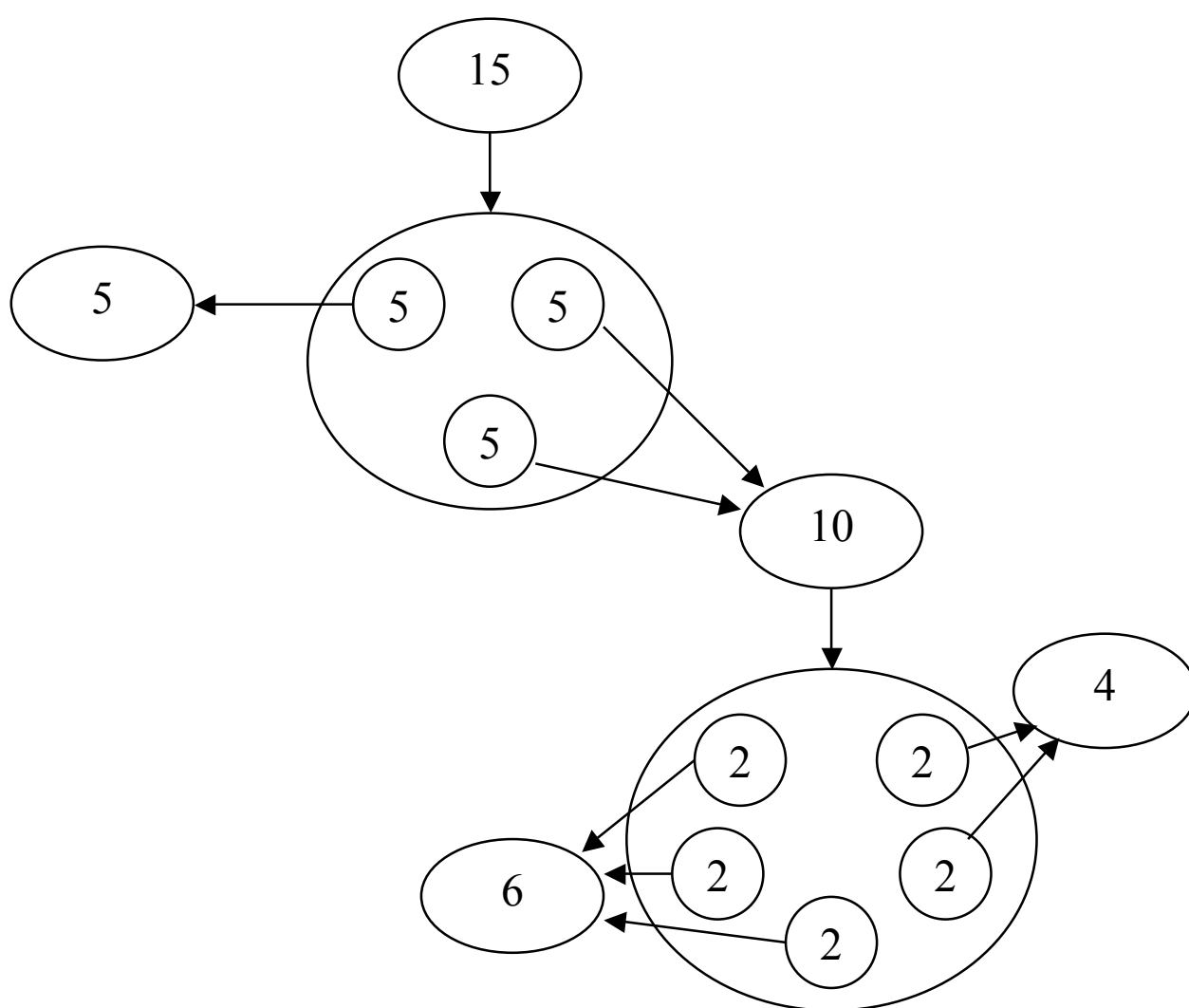


Completa queste 4 macchine vuote.
Osserva bene il simbolo dell'operazione sotto.



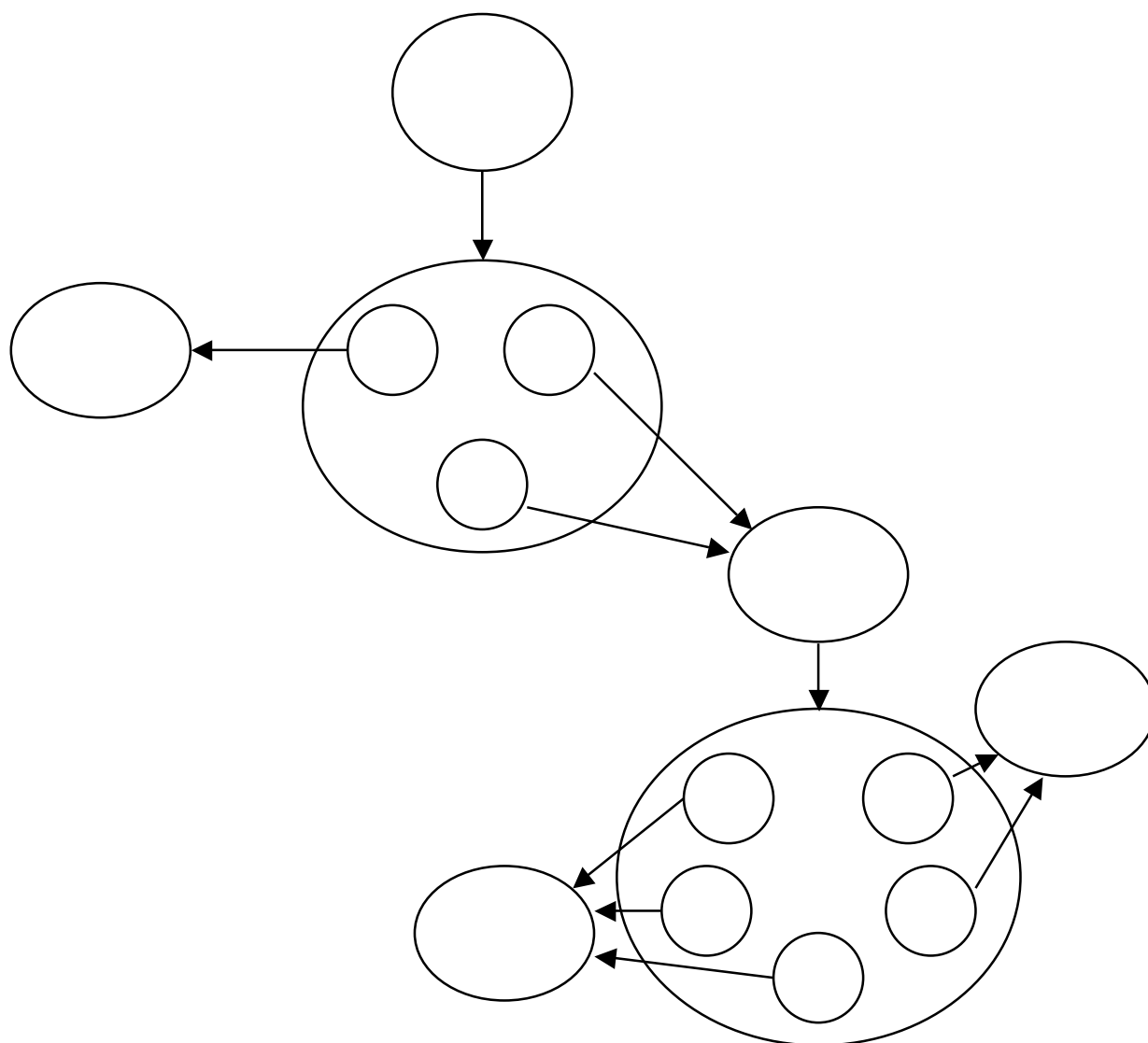
Rendiamo difficili le macchine rendendole doppie.

Osserva questa macchina completa con i numeri già inseriti.



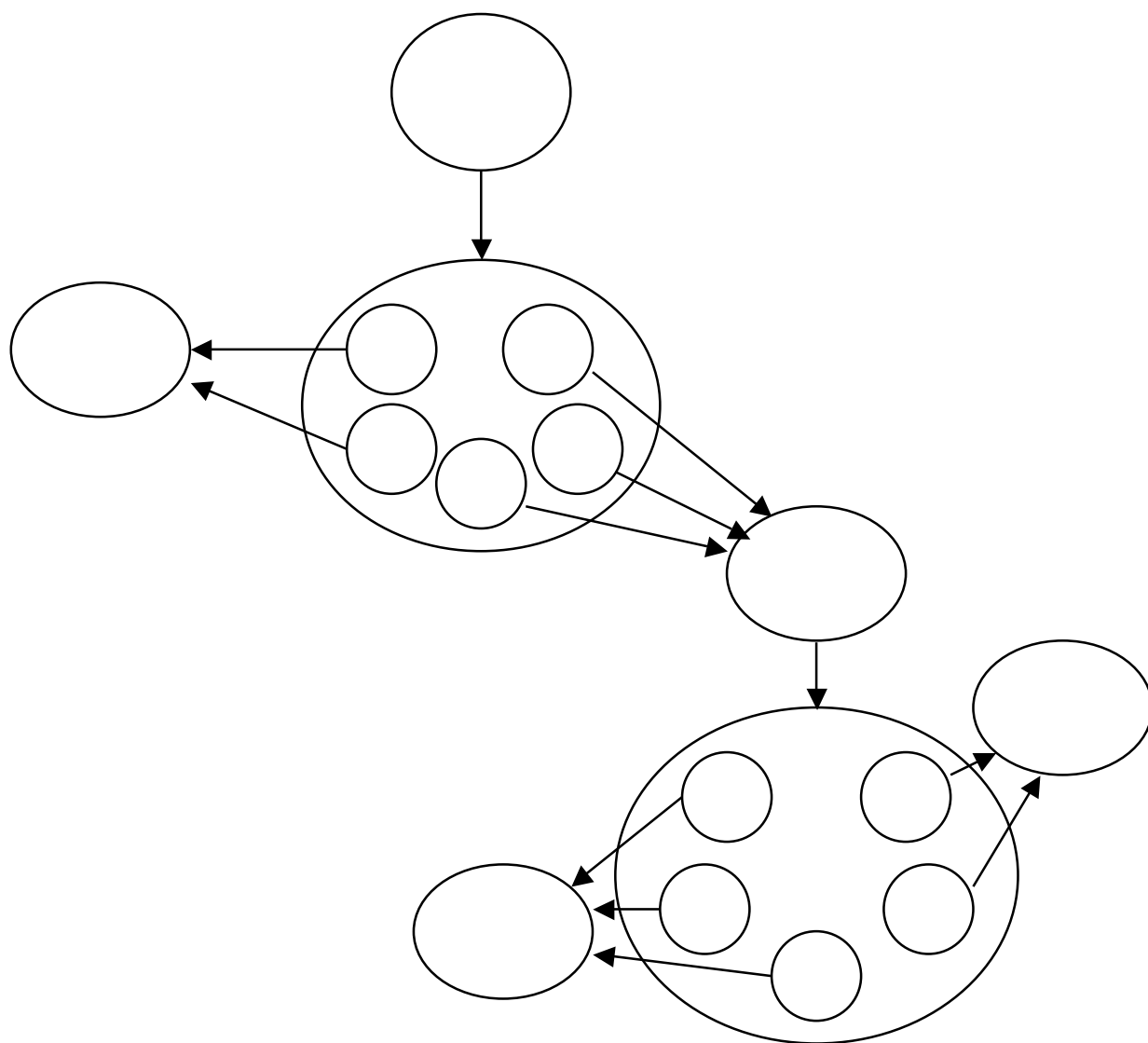
Completa tu questa macchina doppia:

8°
livello



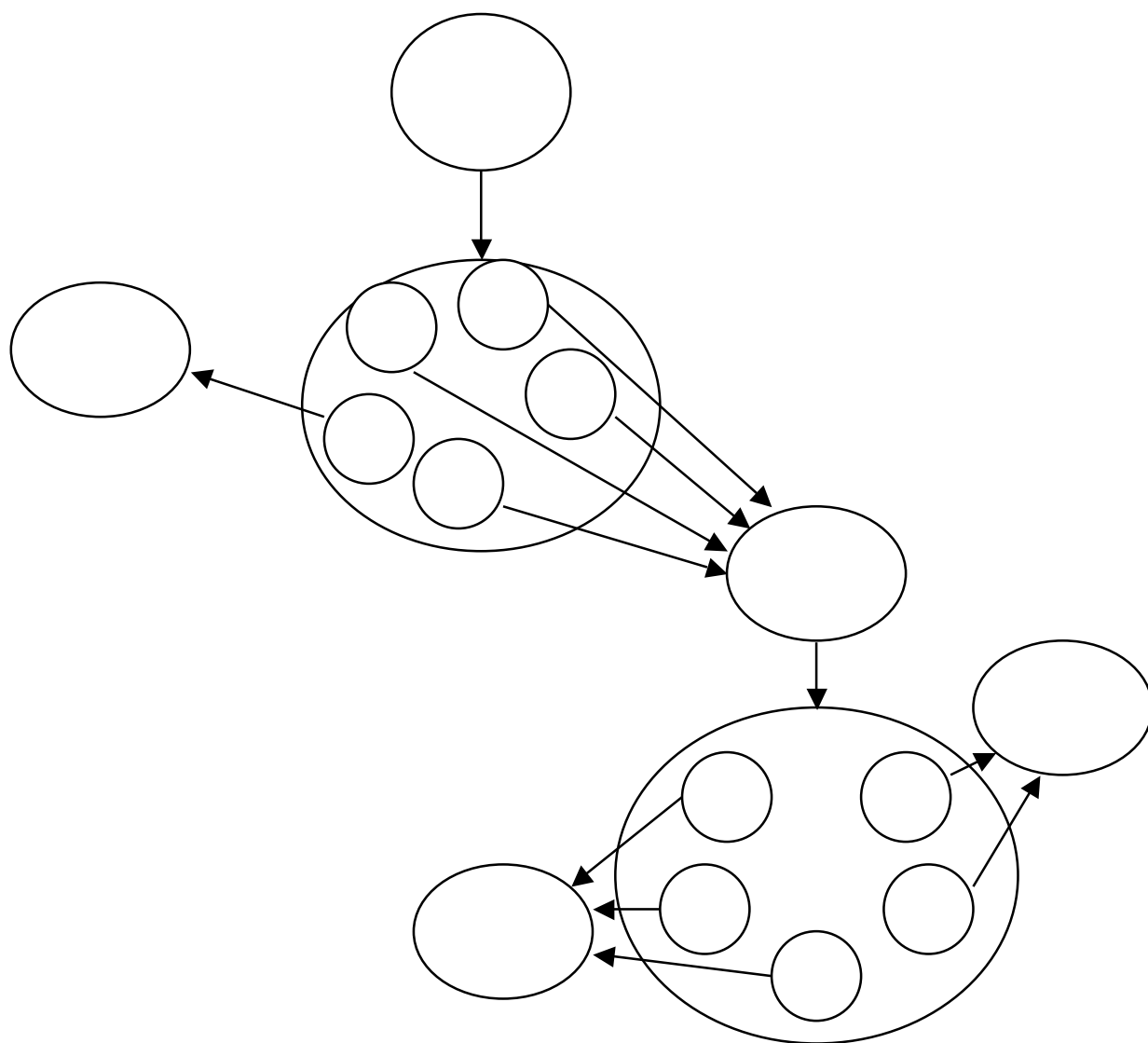
Altra macchina doppia:

8°
livello



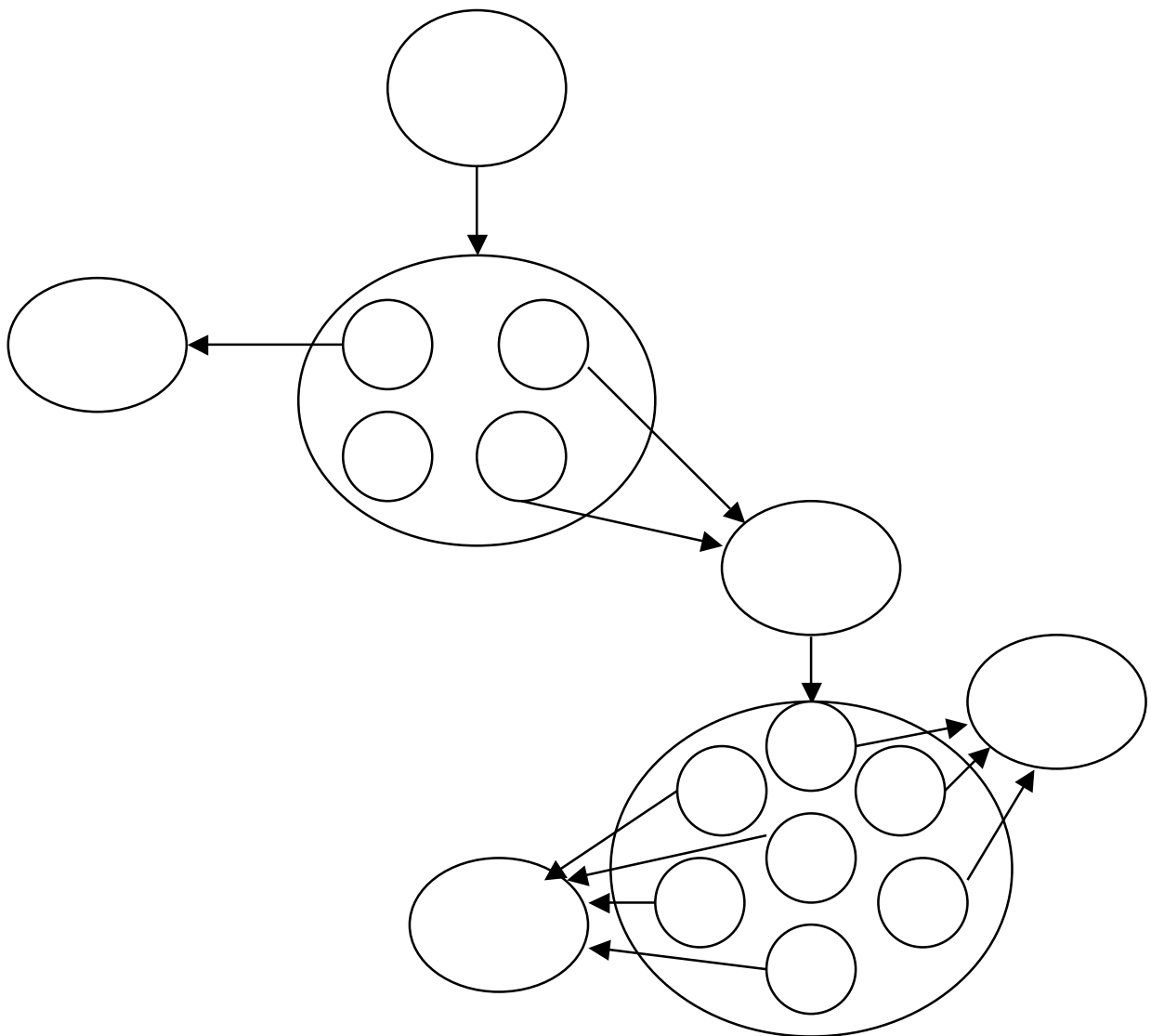
Sempre da completare:

8°
livello



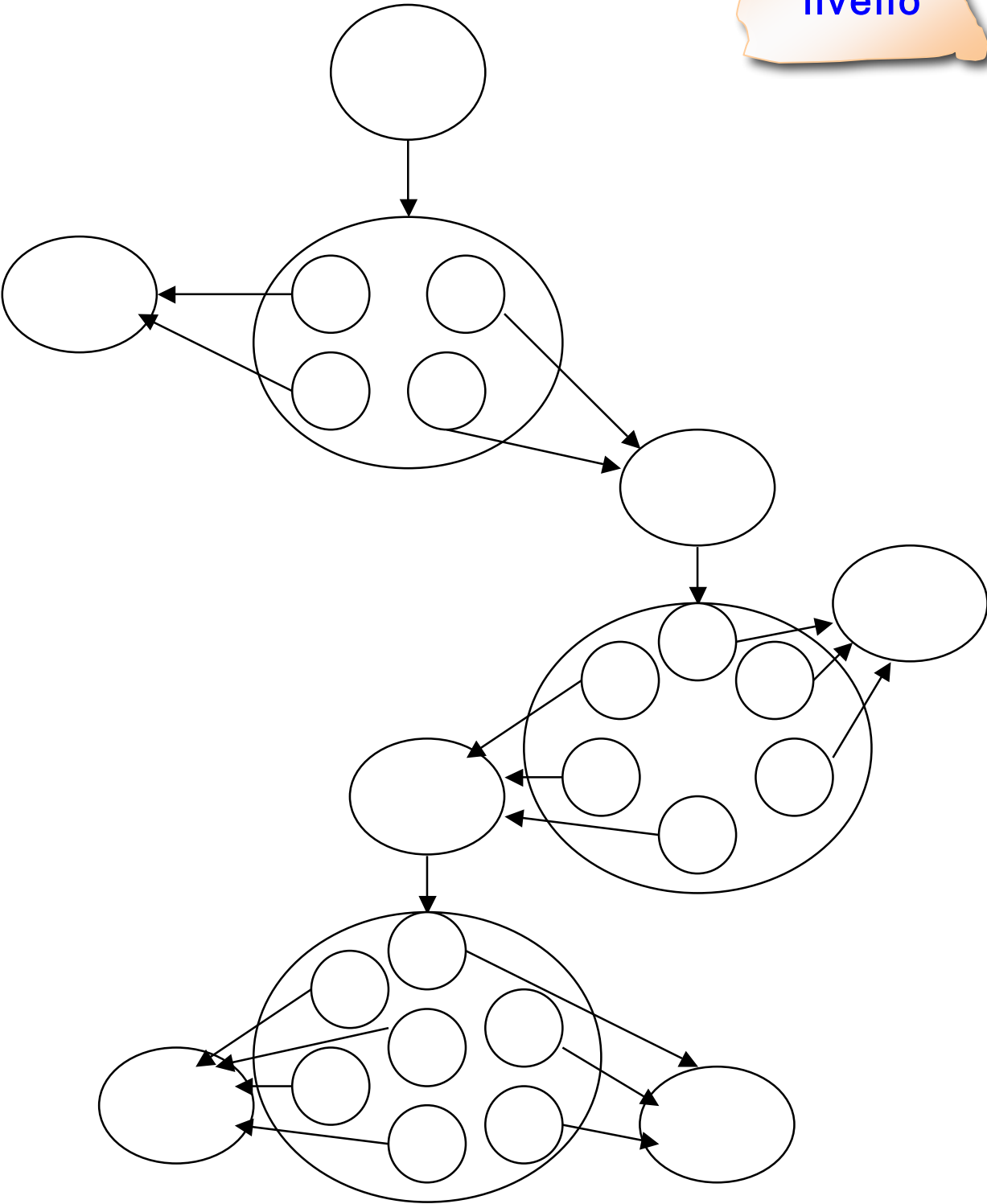
Ultima macchina doppia da completare:

8°
livello



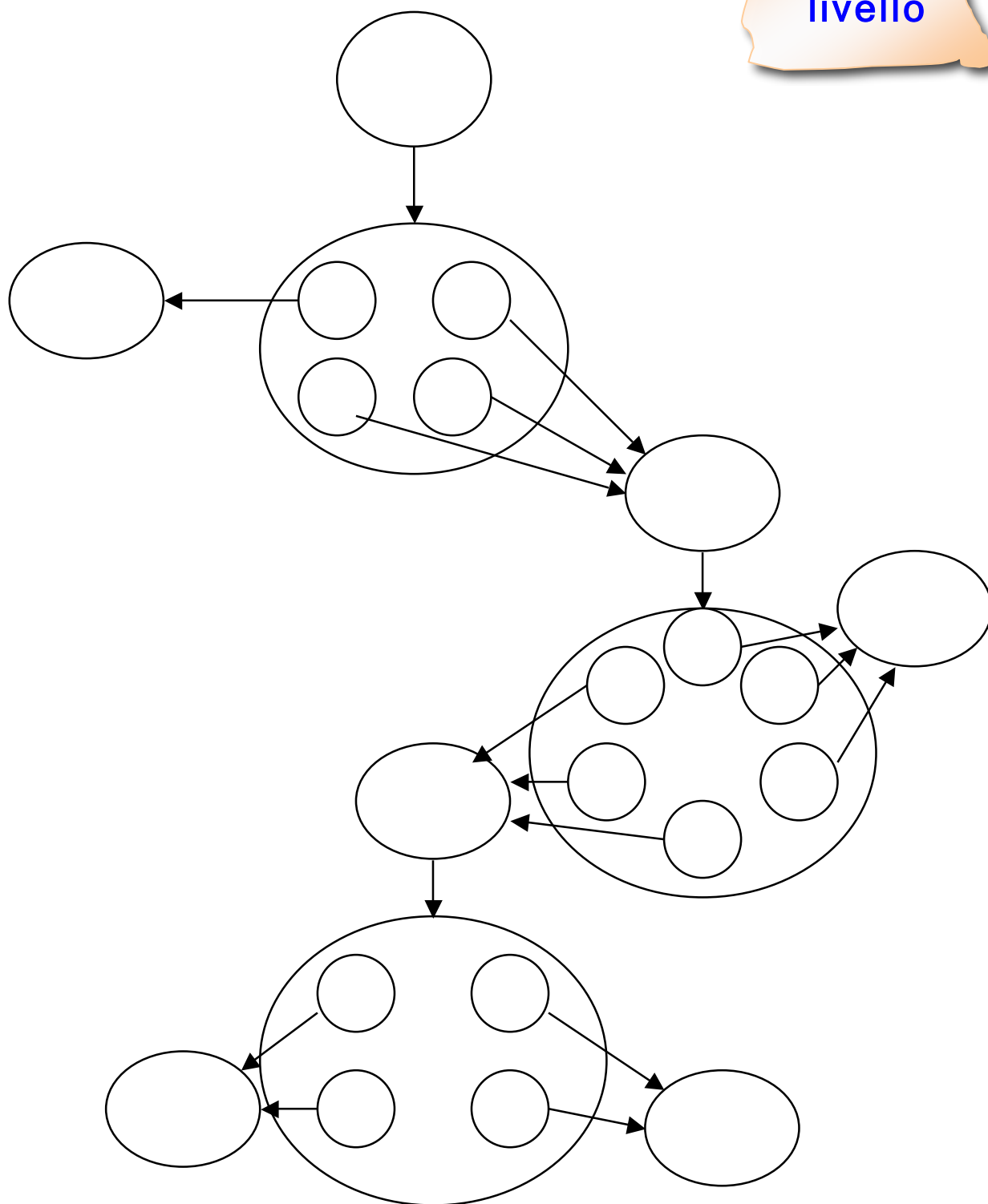
Questa è ancora più difficile è tripla:

9°
livello



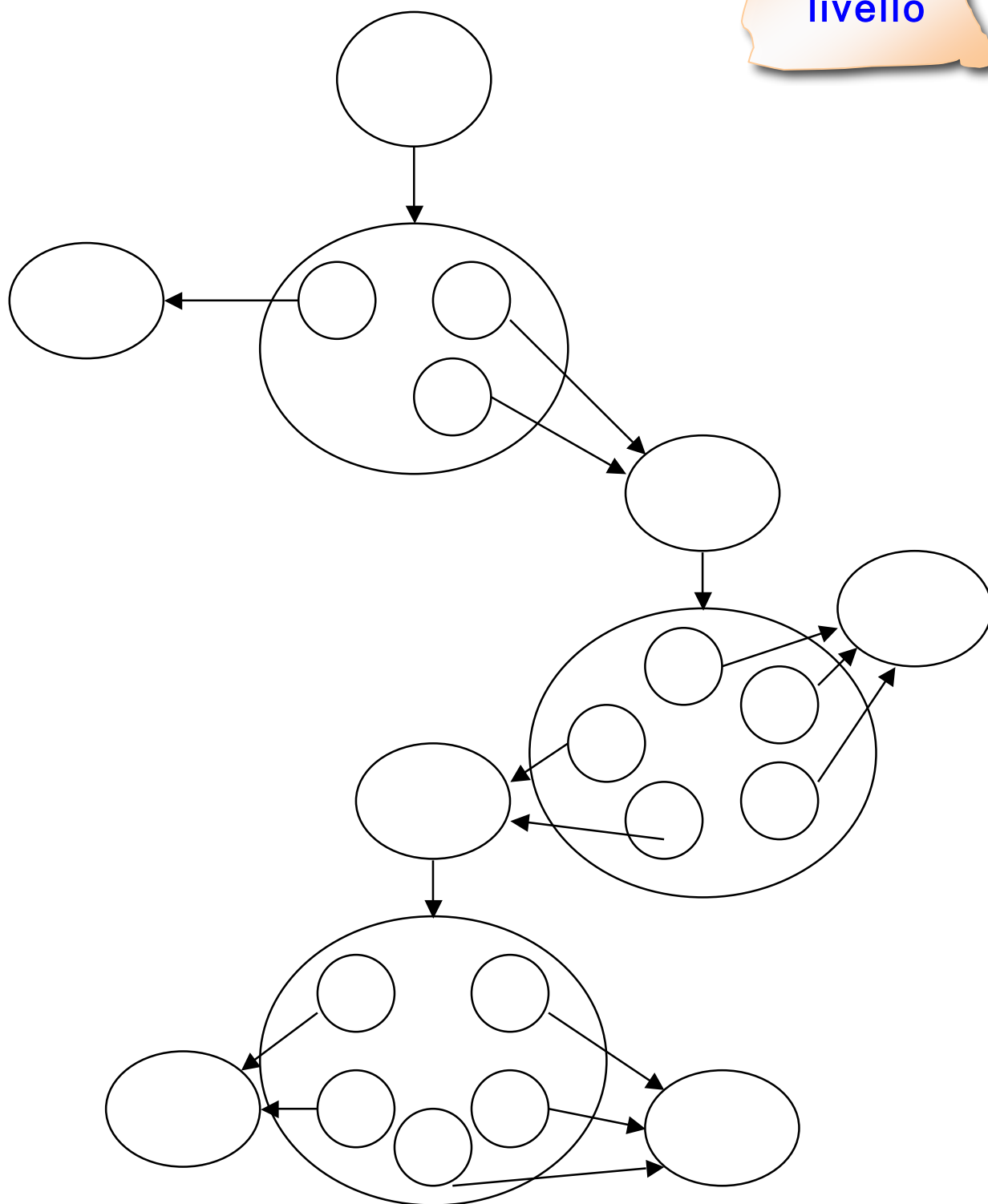
Altra macchina tripla da completare:

9°
livello



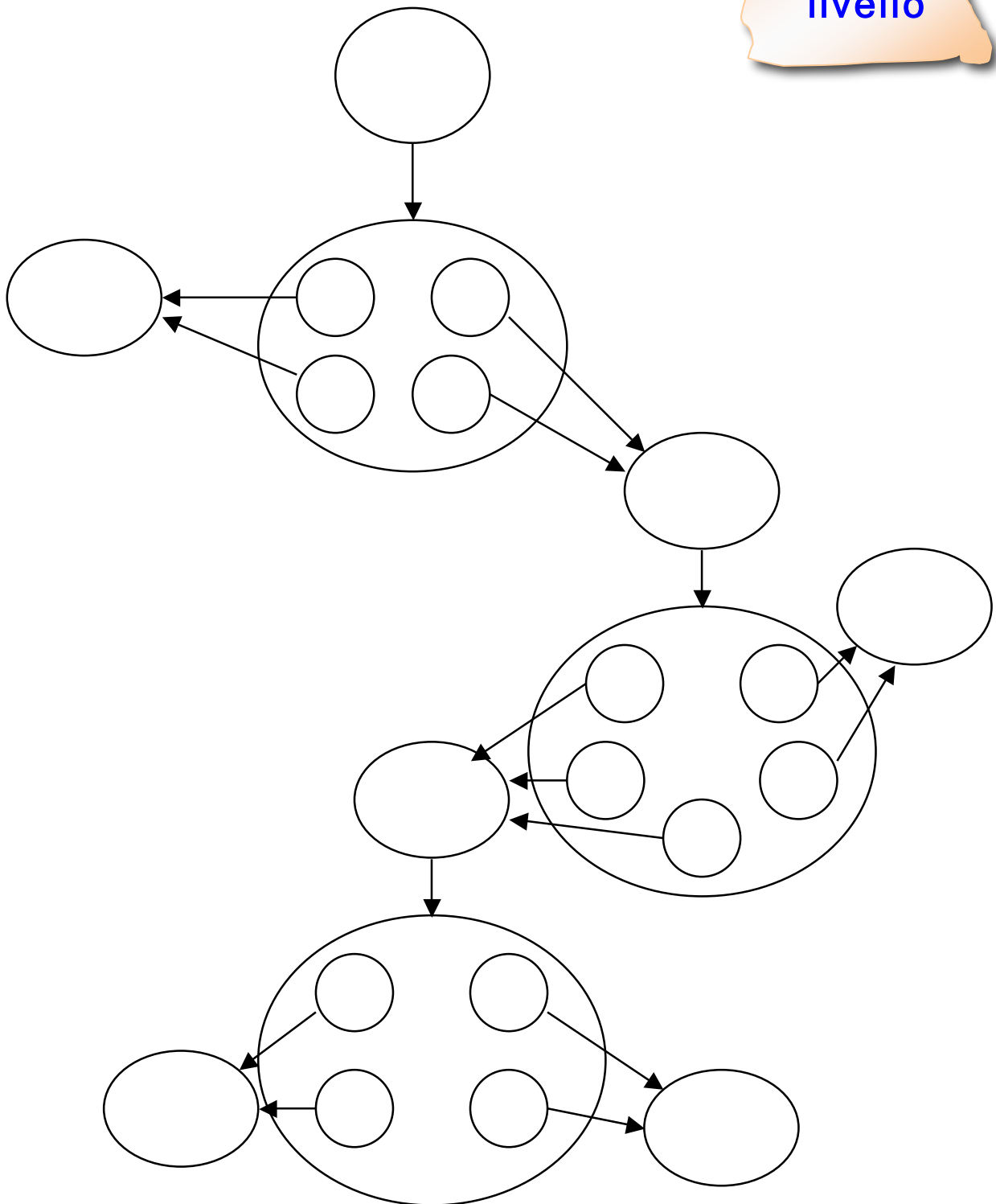
Altra macchina tripla da completare:

9°
livello



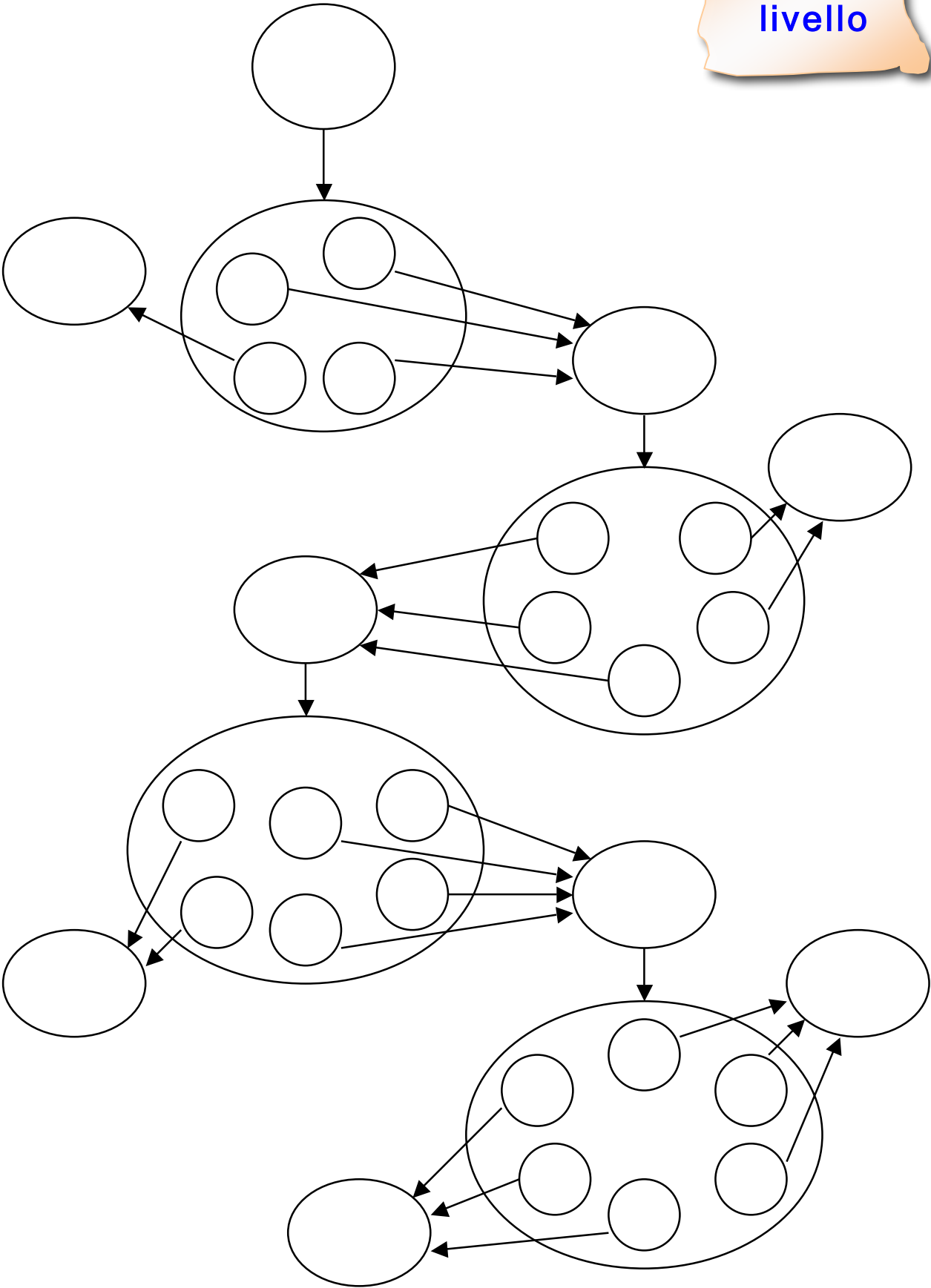
Ultima macchina tripla da completare:

9°
livello



Questa macchina è veramente difficile!!!

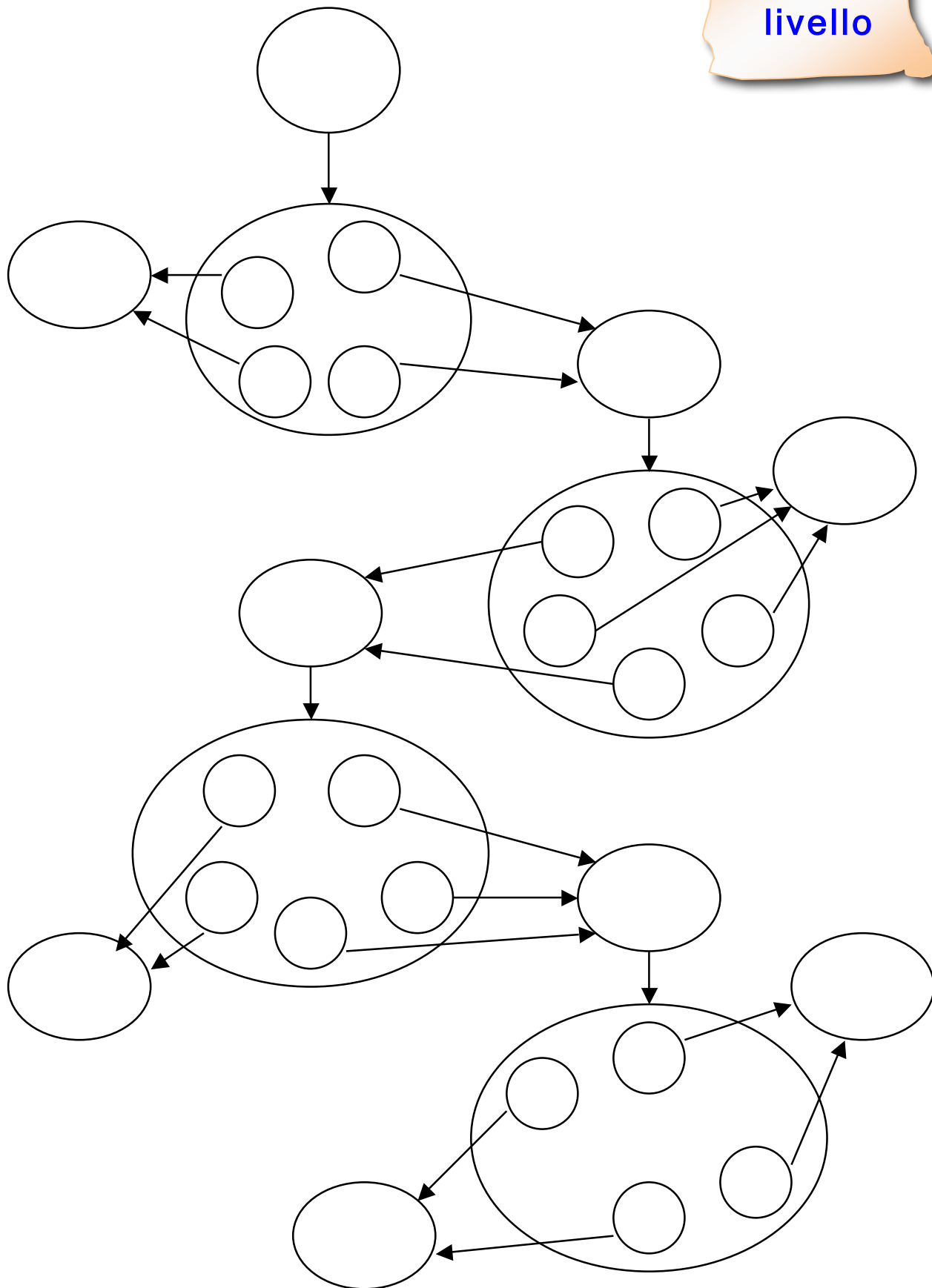
E' quadrupla:



Sempre difficile!!!

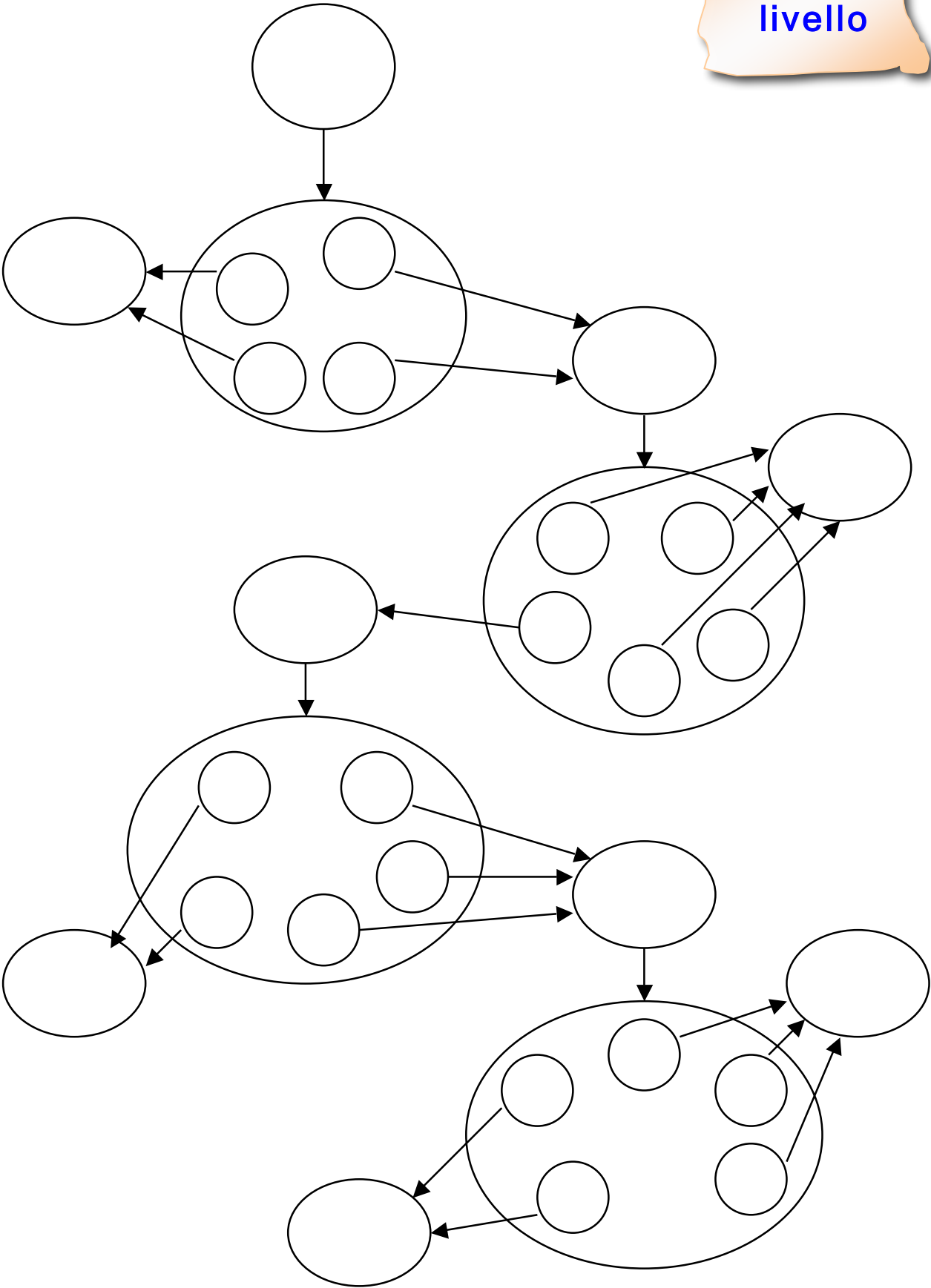
E' quadrupla:

10°
livello



Solo per bambini esperti

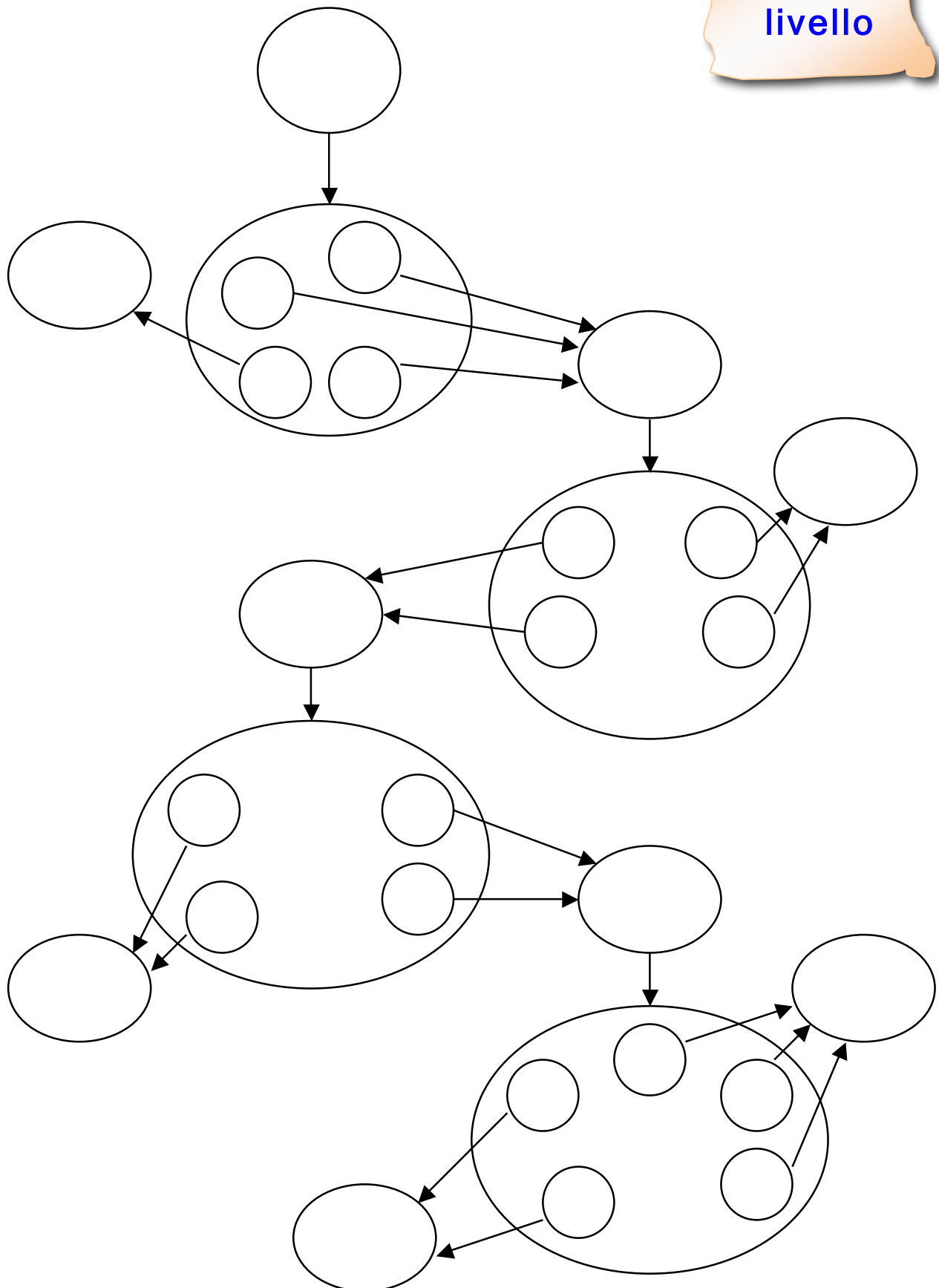
E' quadrupla:



Questa macchina è veramente difficile!!!

E' quadrupla:

10°
livello

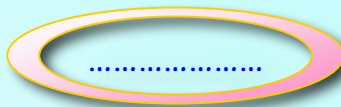


DIPLOMA D' ESPERTO IN FRAZIONI

IL PICCOLO MATEMATICO

S'E' DIPLOMATO ESPERTO IN FRAZIONI

RAGGIUNGENDO IL



LIVELLO



BICE

