

Arthropod inhabitants and architecture of *Xylocopa virginica* (Hymenoptera: Apidae) nests from the Southeastern United States.

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Xylocopa virginica Nest Diagrams

Board Legend

Face Top View



Face Bottom View



Edge Bottom view



Edge Top View



Hole: 1-2 cm *X. virginica* borehole on surface
of wood; entry/exit point of nest

****no depictions are to scale****

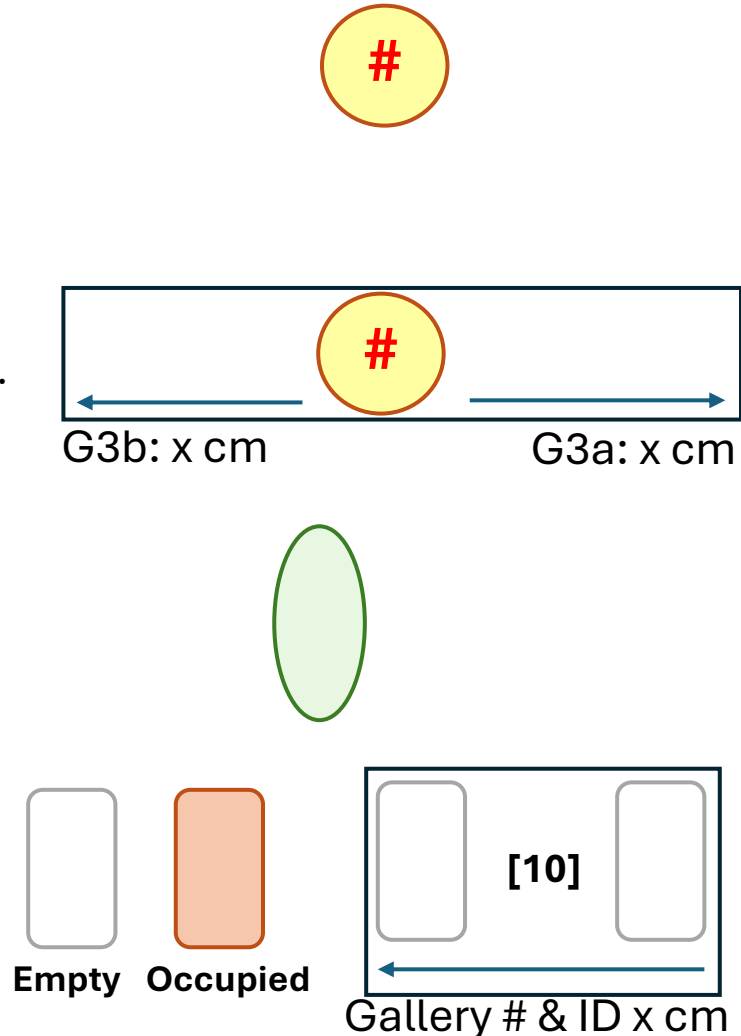
Nest Legend

Hole: 1-2 cm *X. virginica* borehole on surface of wood; entry/exit point of nest

Gallery : 1-2 cm diameter tunnel constructed by *X. virginica* on interior of wood. Tunnels on left of bore hole (b), right (a)

Connection: <5 cm length tunnel connecting one or more longer galleries

Cell: Convex divot within gallery resulting from *X. virginica* acquiring material for brood partitions.

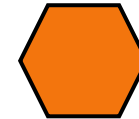


*All occupied cells are represented; stretches of empty cells are represented in []. See above gallery indicating 12 empty cells.

Hymenoptera:

- **A** = *X. virginica* adult
 - More than one A indicates multiple adults in one cell
- **B** = *X. virginica* brood
- **I** = Isodontia presence
- **O** = Osmia presence
- **M** = Monobia presence
- **R** = Megachilid presence

Pollen Ball: Collection of pollen and nectar; food for *X. virginica* brood



Other Arthropods:

Lepidoptera, Arachnids, Pscocoptera, Diptera, Blattodea, etc.



no depictions are to scale

Board I

Face Top view



Face Bottom View



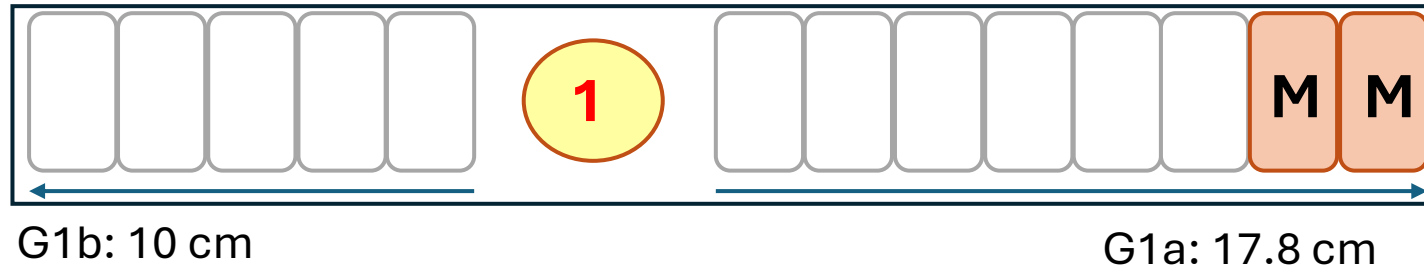
Edge Bottom view



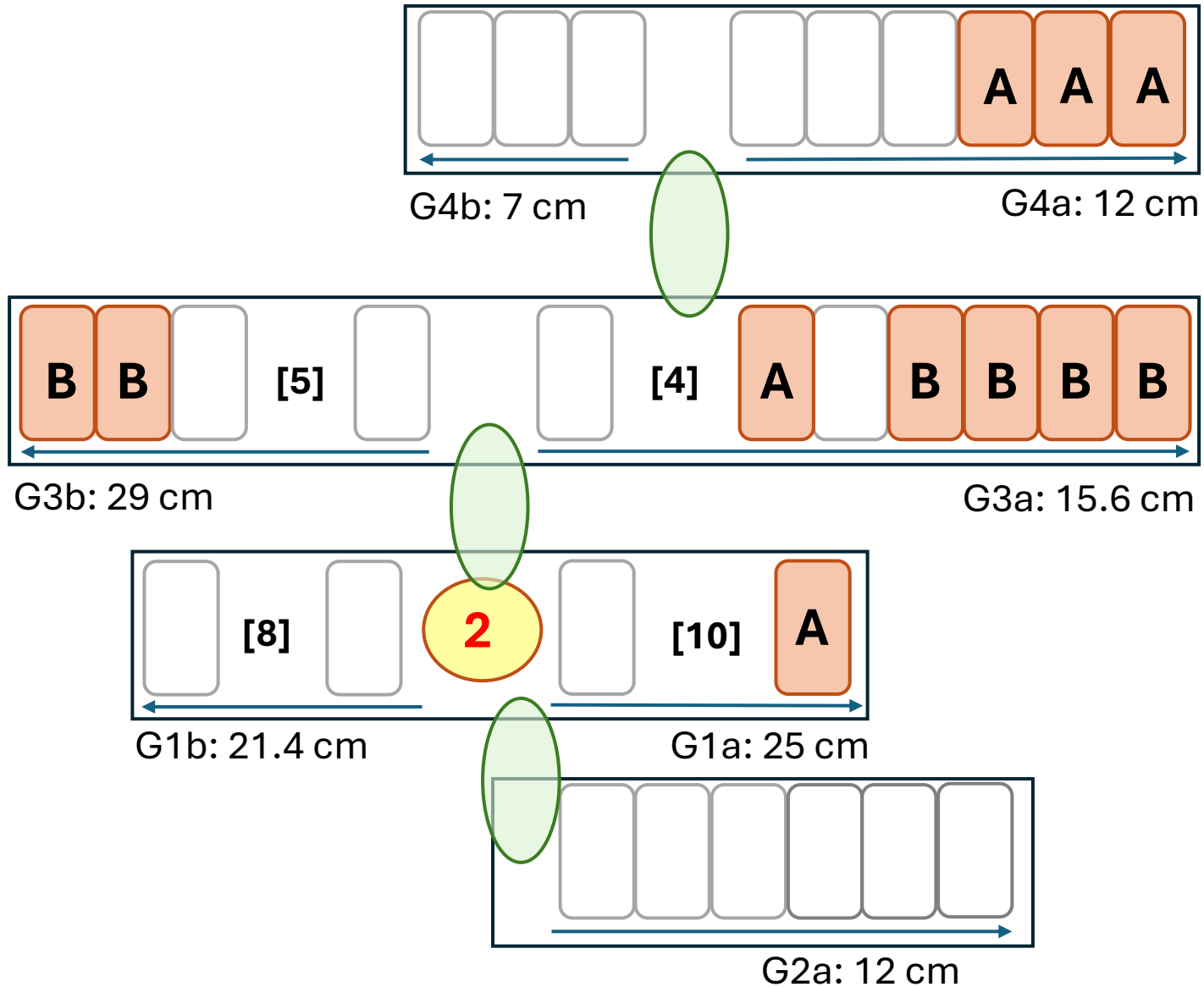
Edge Top view



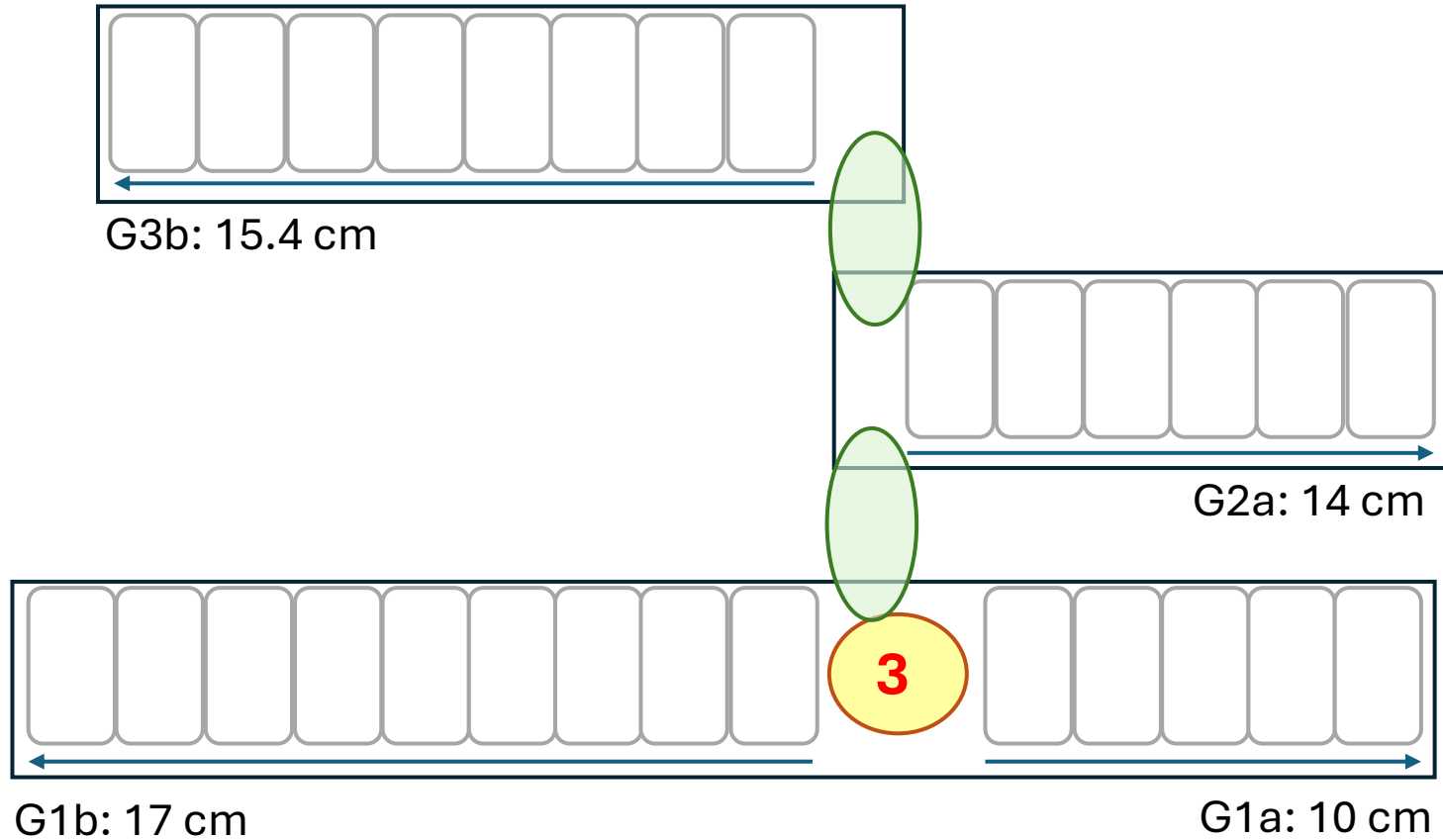
Board I : Nest 1



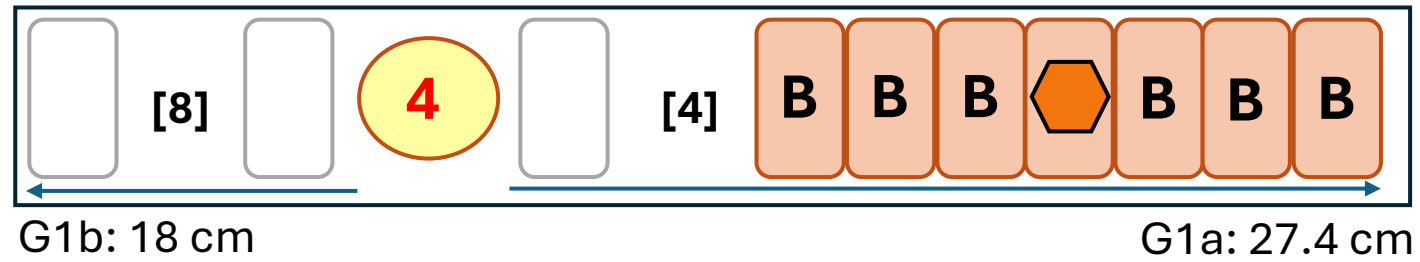
Board I : Nest 2



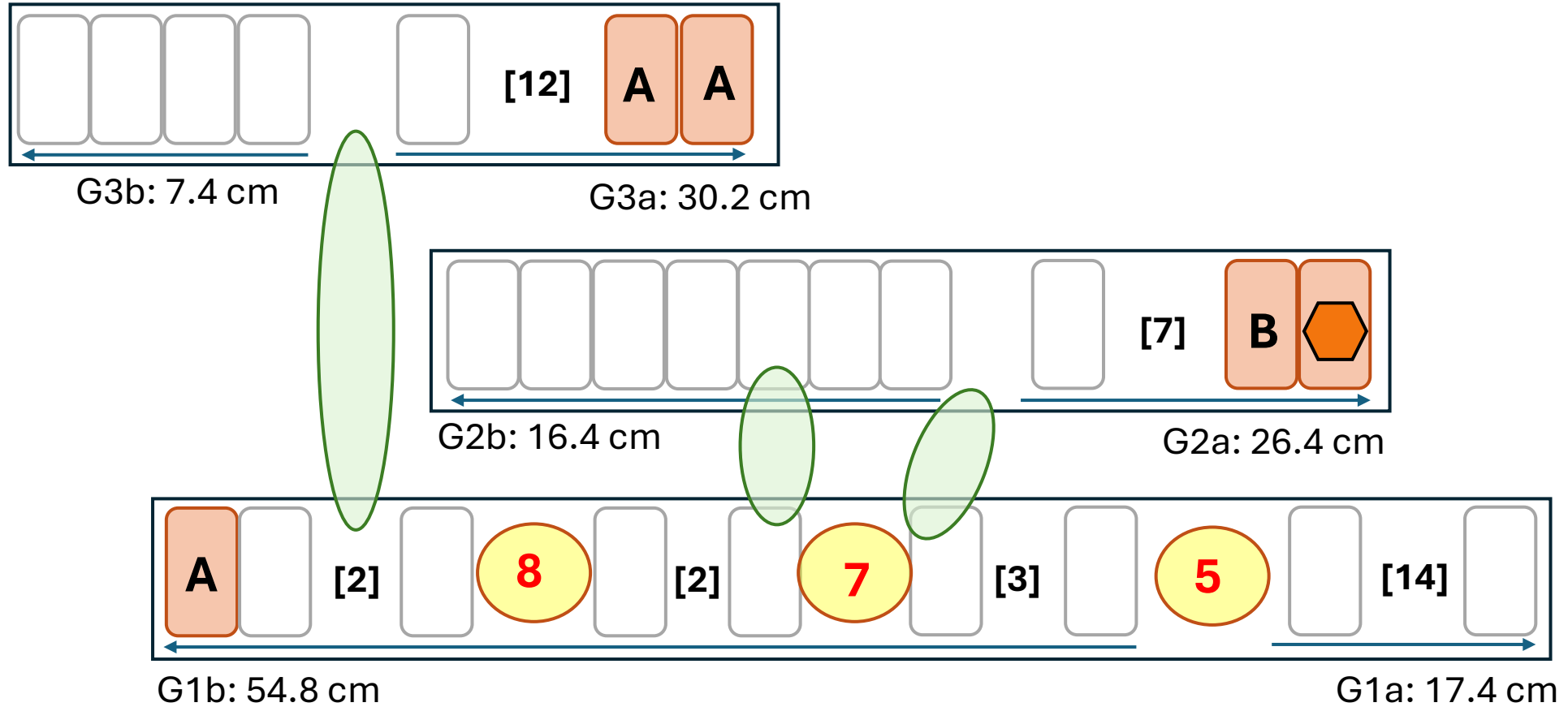
Board I : Nest 3



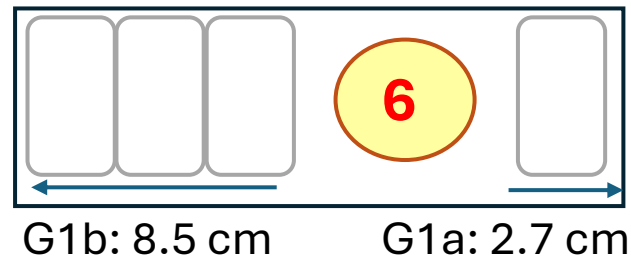
Board I : Nest 4



Board I : Nest 5



Board I : Nest 6

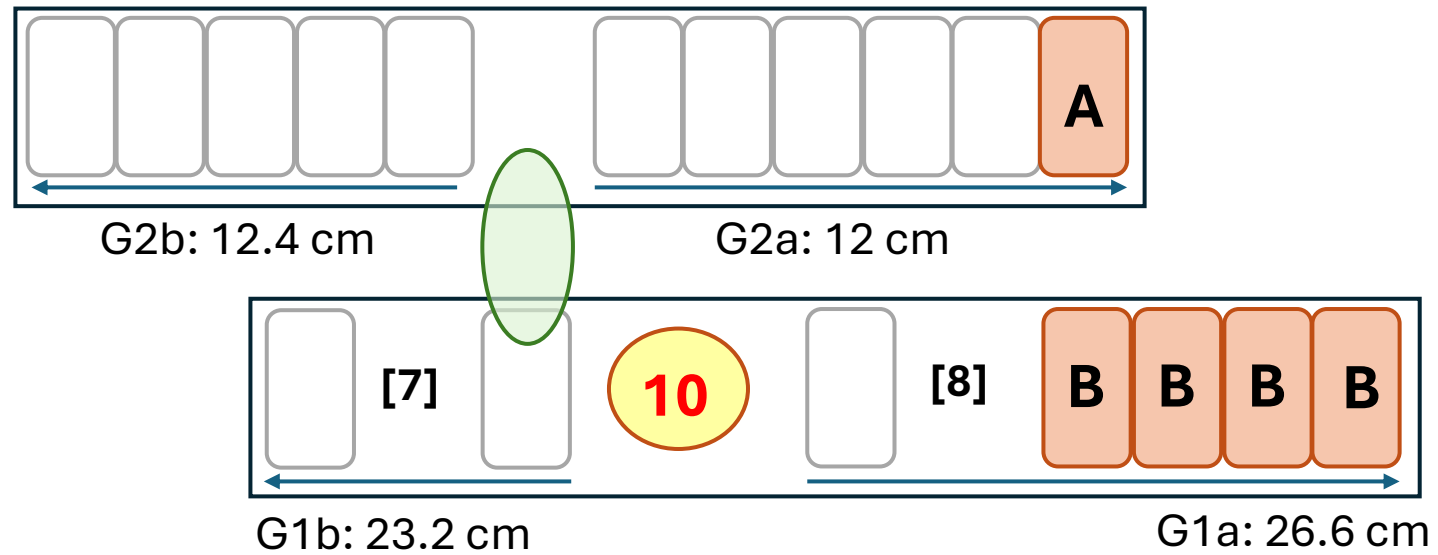


Board I : Nest 7

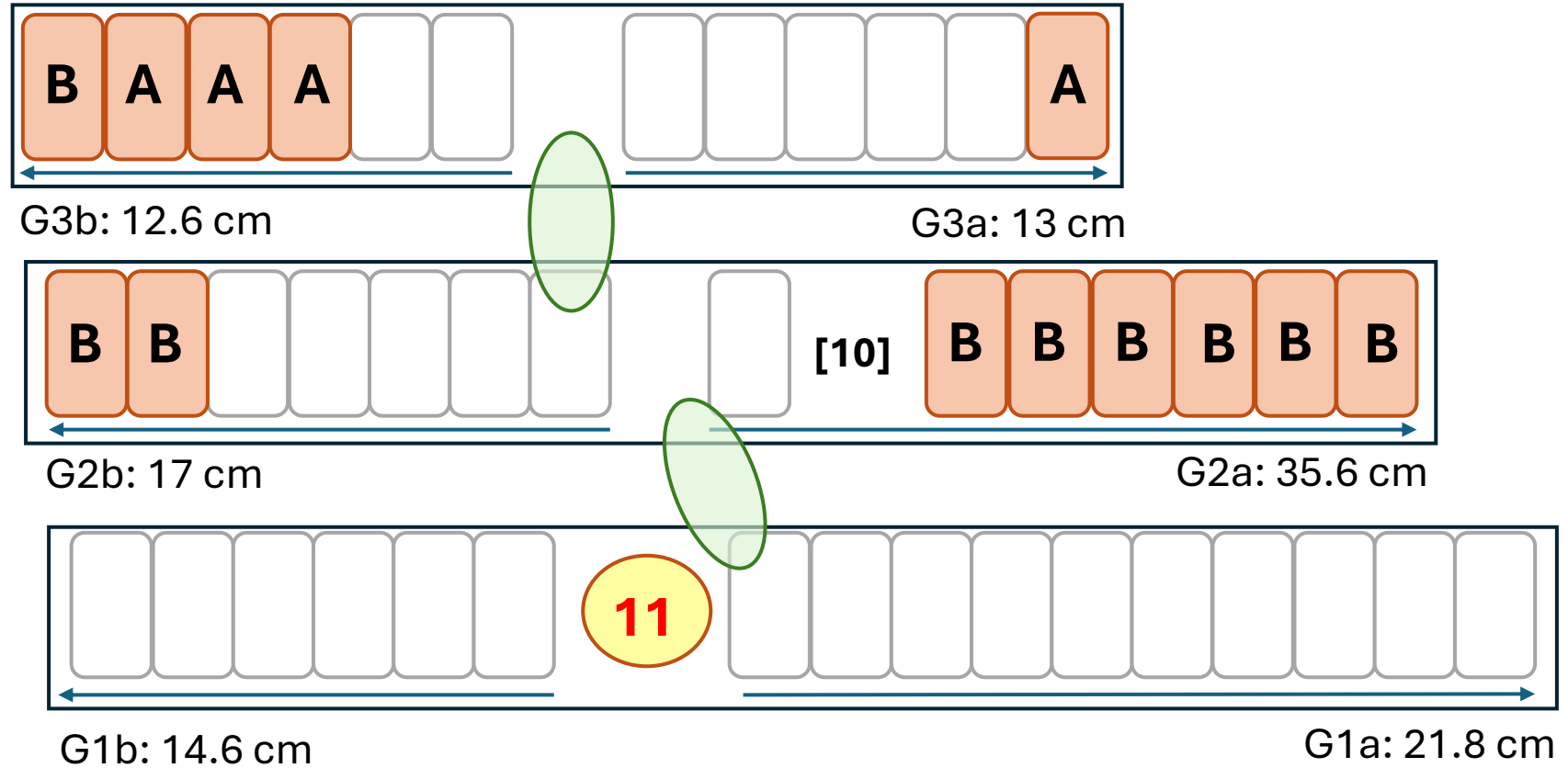


G1a: 5 cm

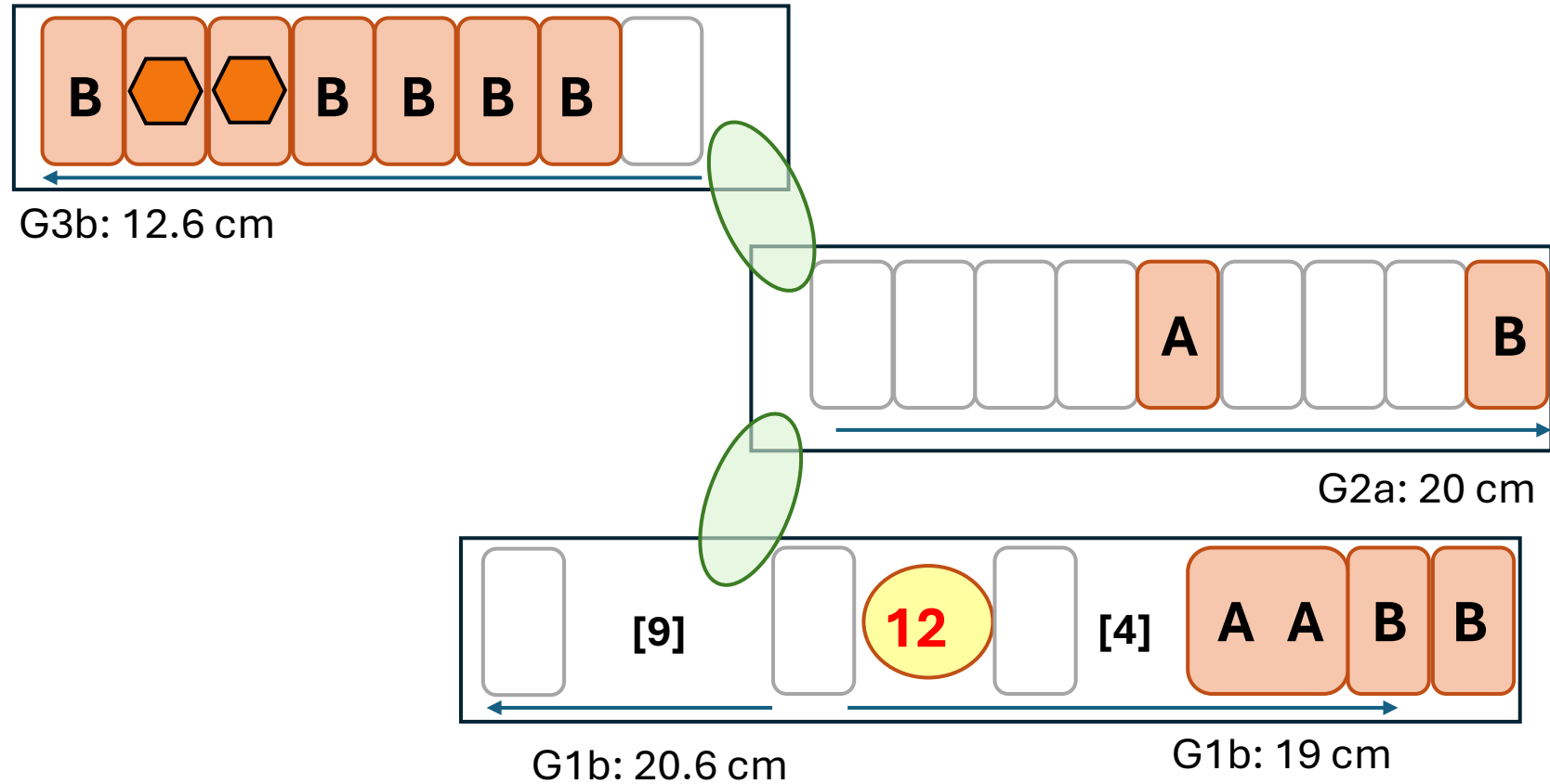
Board I : Nest 8



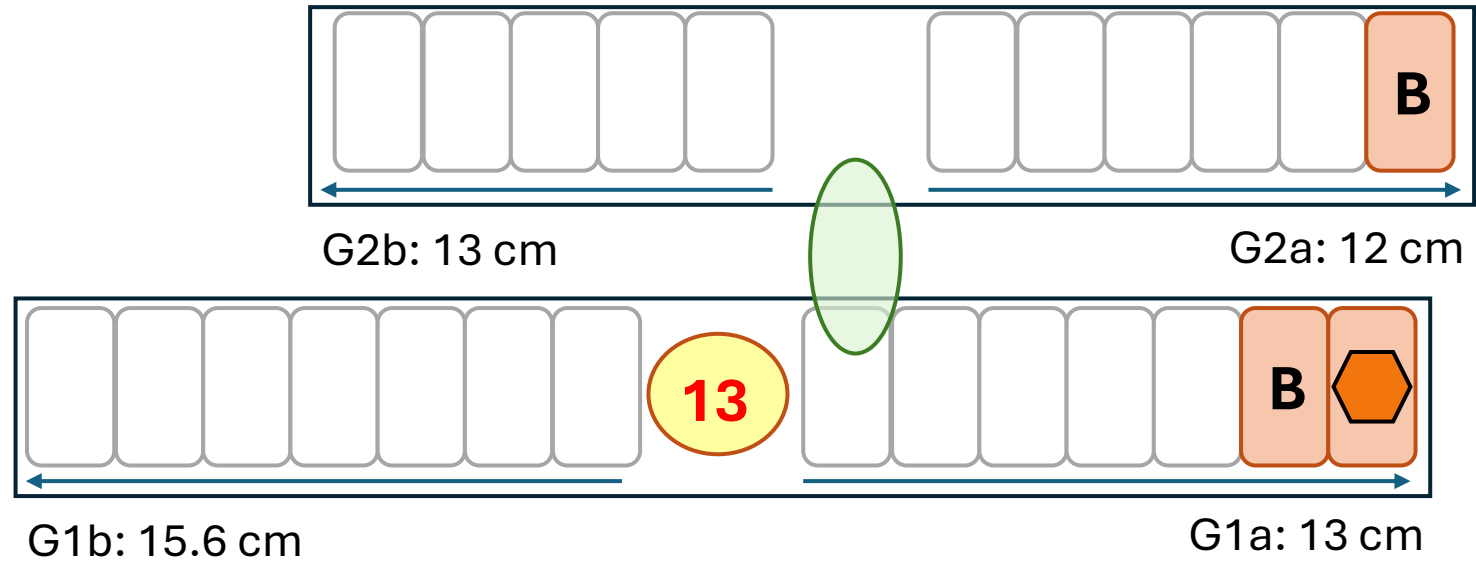
Board I : Nest 9



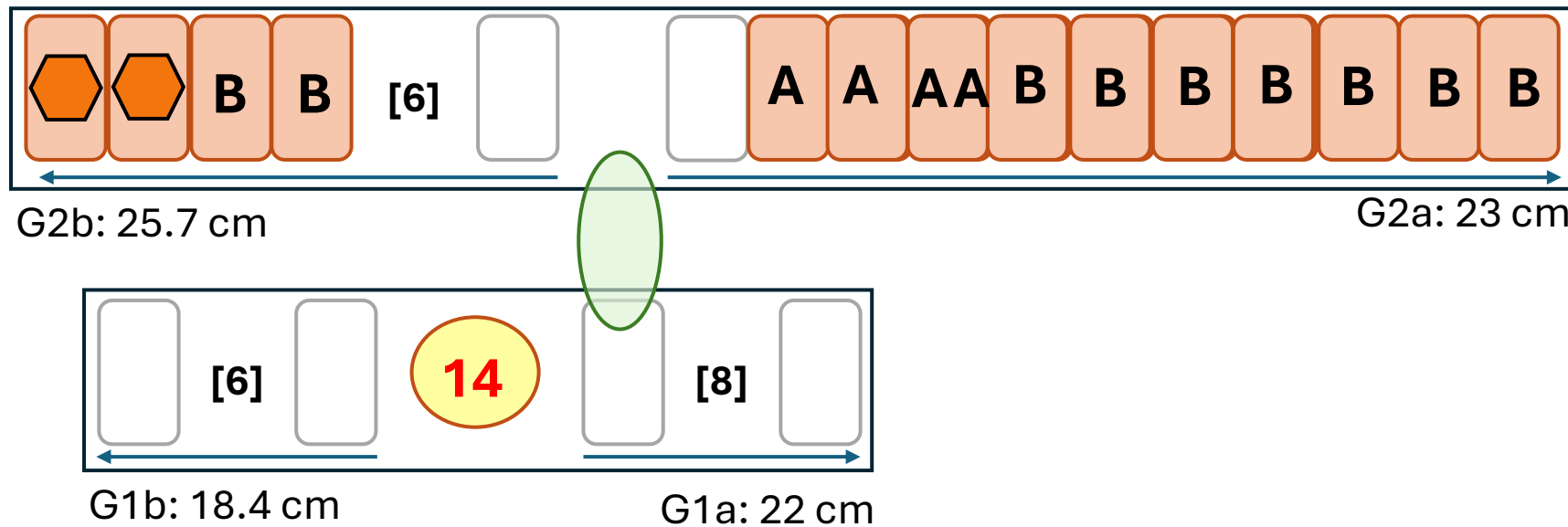
Board I : Nest 10



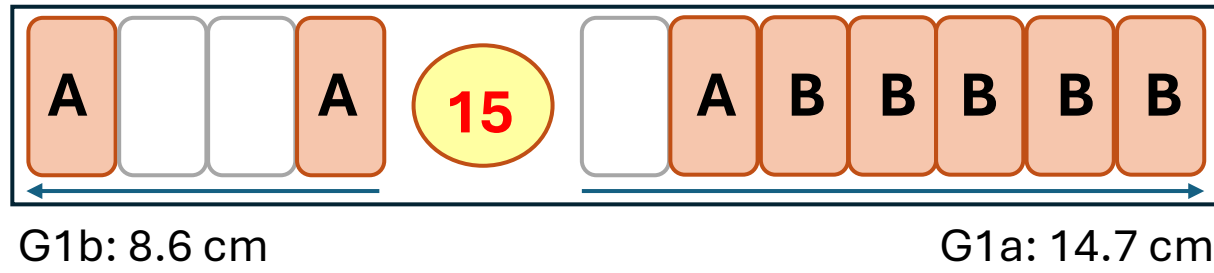
Board I : Nest 11



Board I : Nest 12



Board I : Nest 13



Board II

Face Top View



Face Bottom View



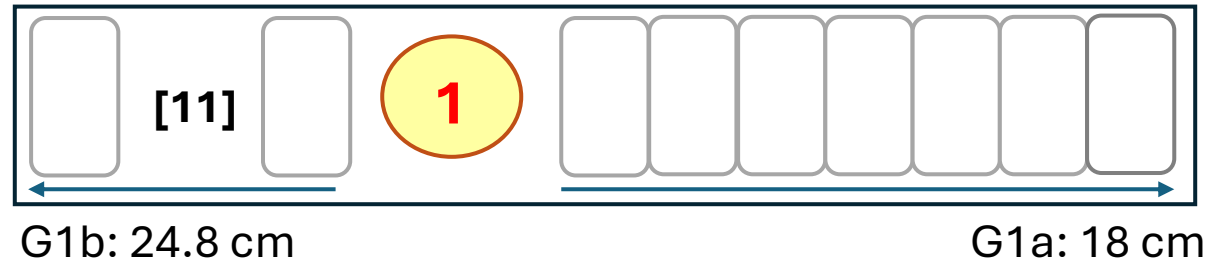
Edge Bottom View



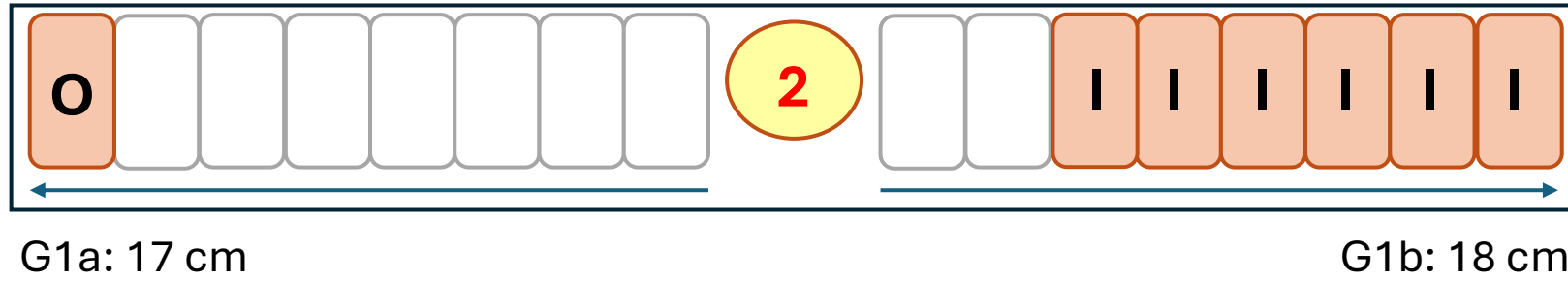
Edge Top View



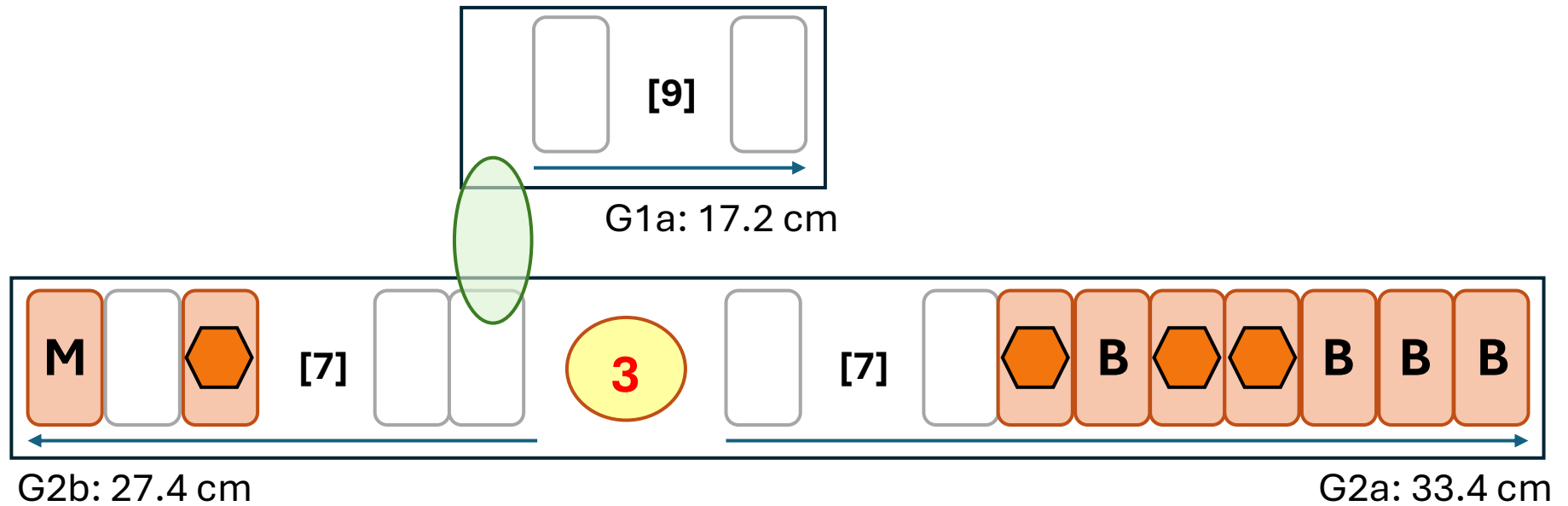
Board II : Nest 14



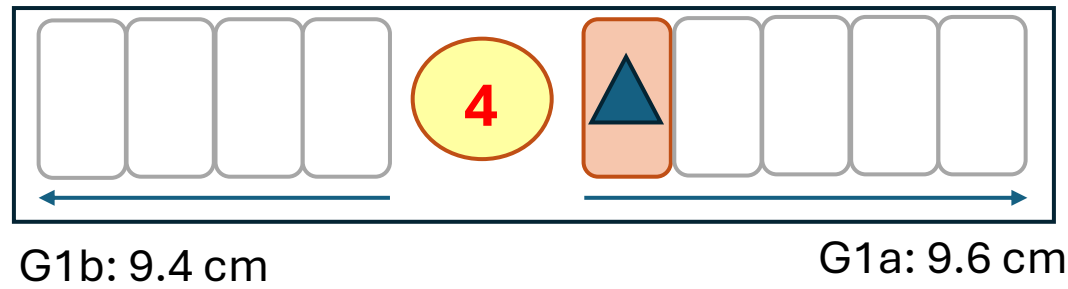
Board II : Nest 15



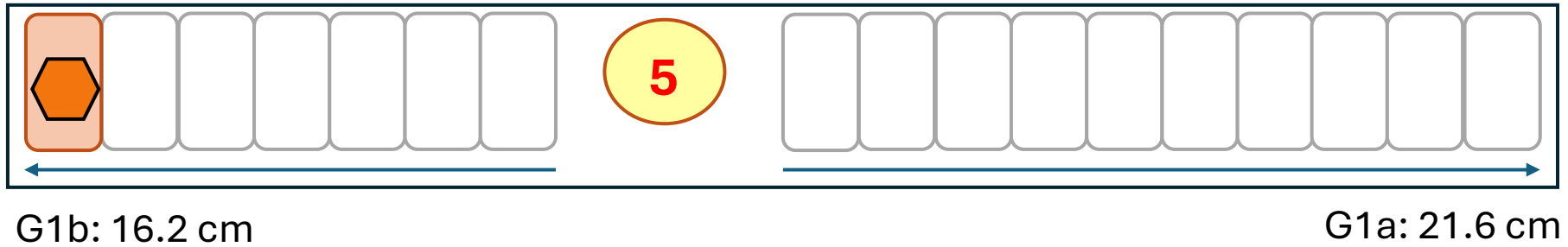
Board II : Nest 16



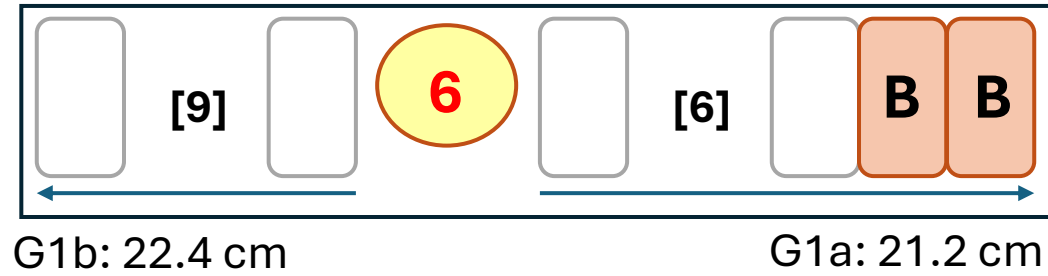
Board II : Nest 17



Board II : Nest 18



Board II : Nest 19



Board III

Face Top View



Face Bottom View



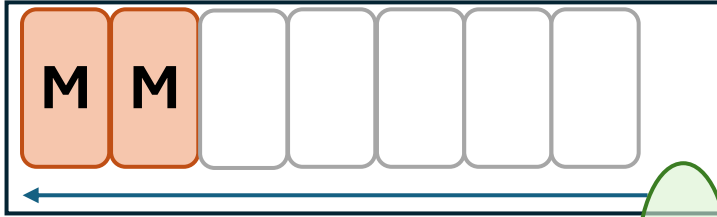
Face Bottom View



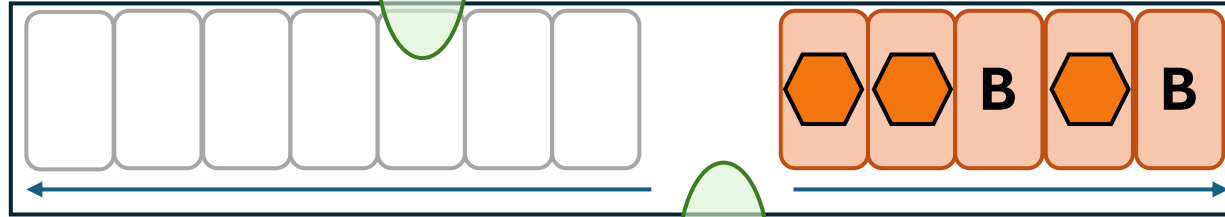
Face Top View



Board III : Nest 20

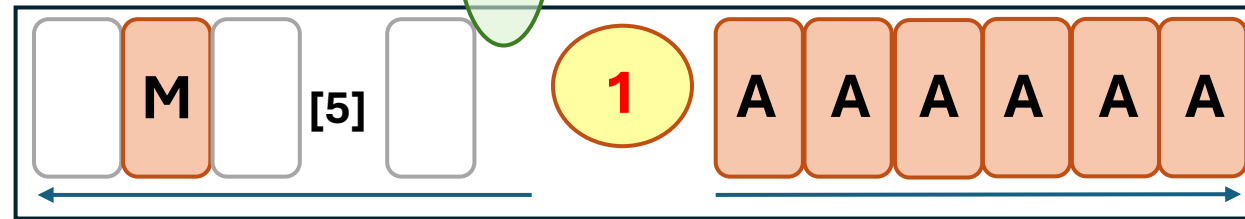


G3b: 15.6 cm



G2b: 19 cm

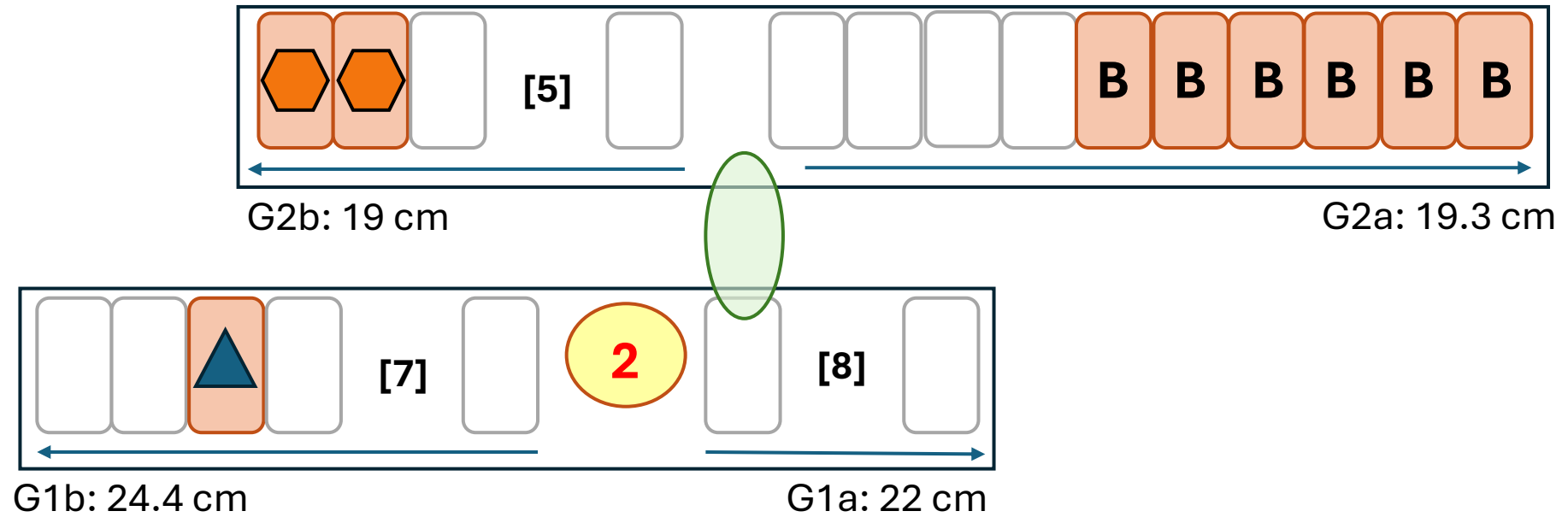
G2a: 8 cm



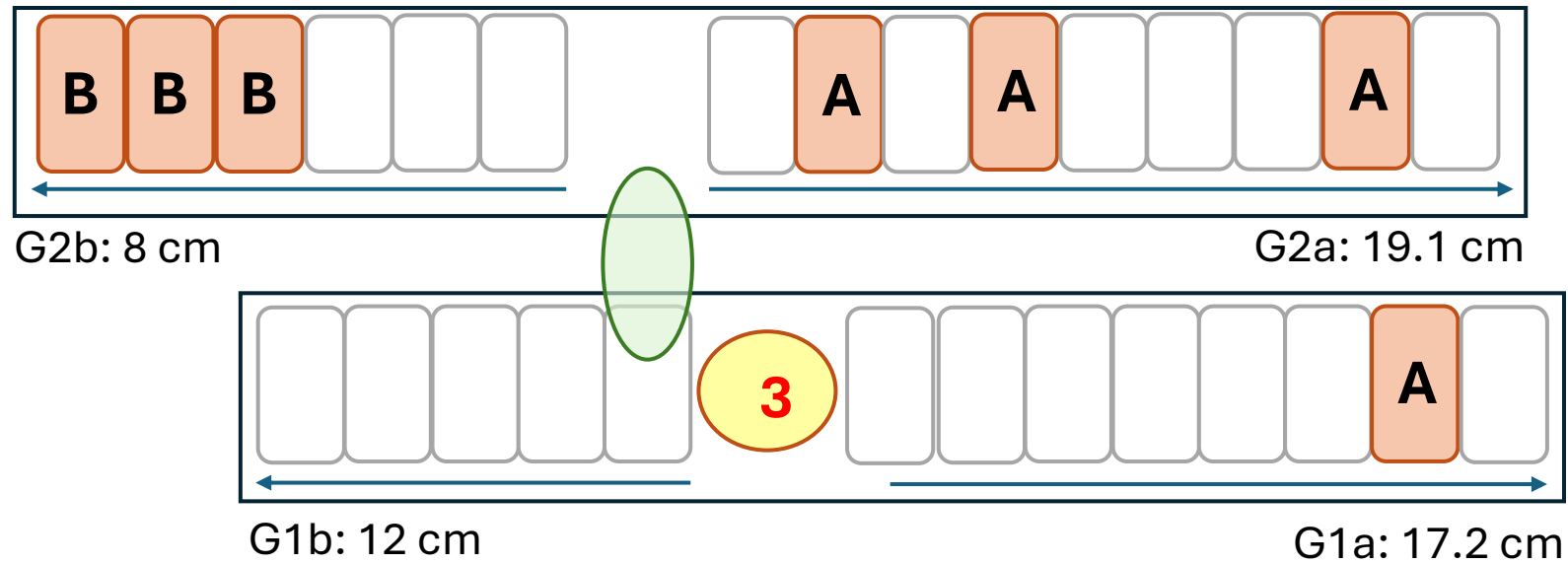
G1b: 18.4 cm

G1a: 11 cm

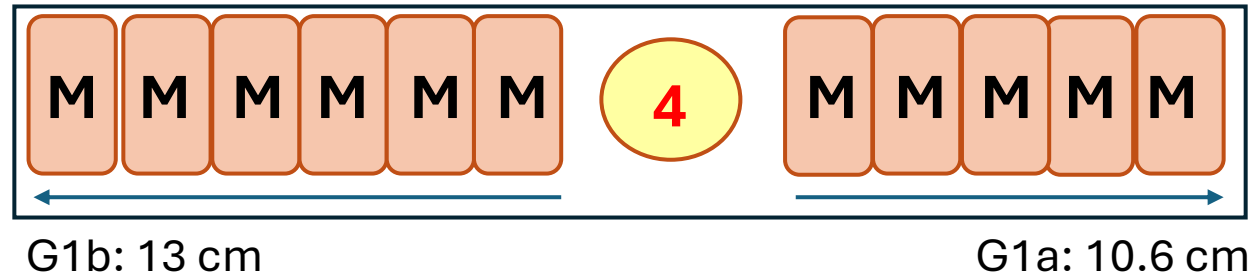
Board III : Nest 21



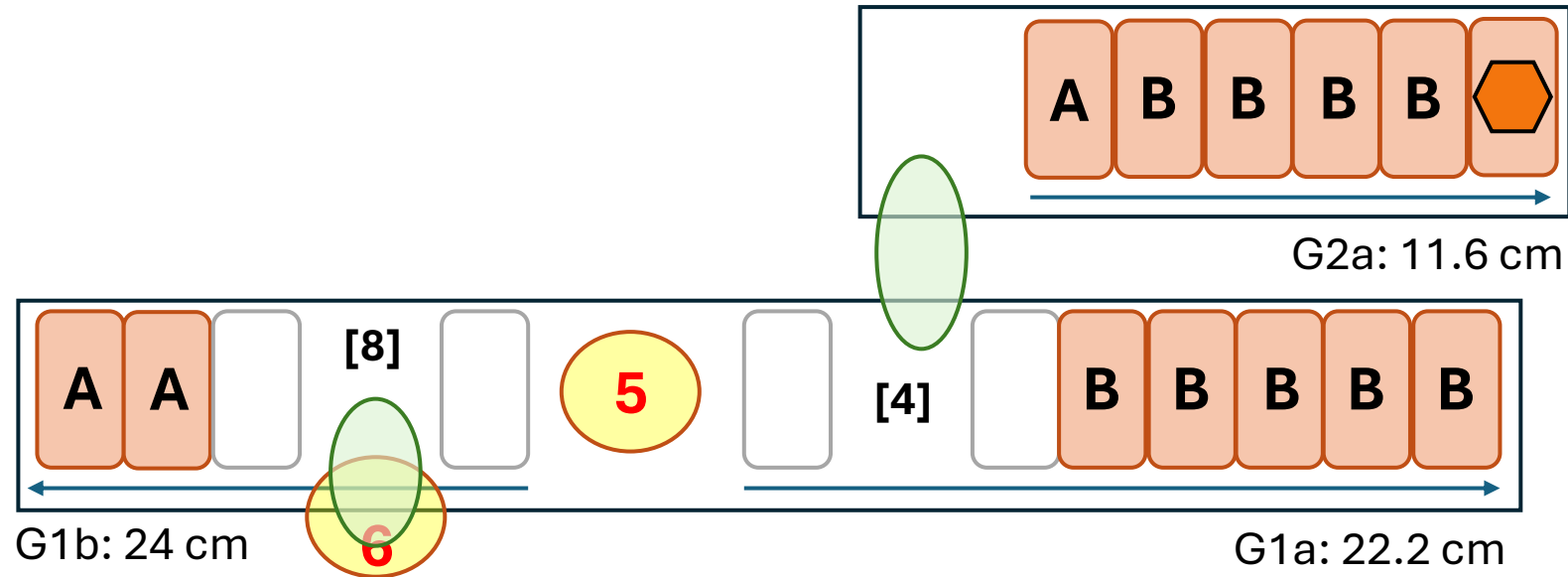
Board III : Nest 22



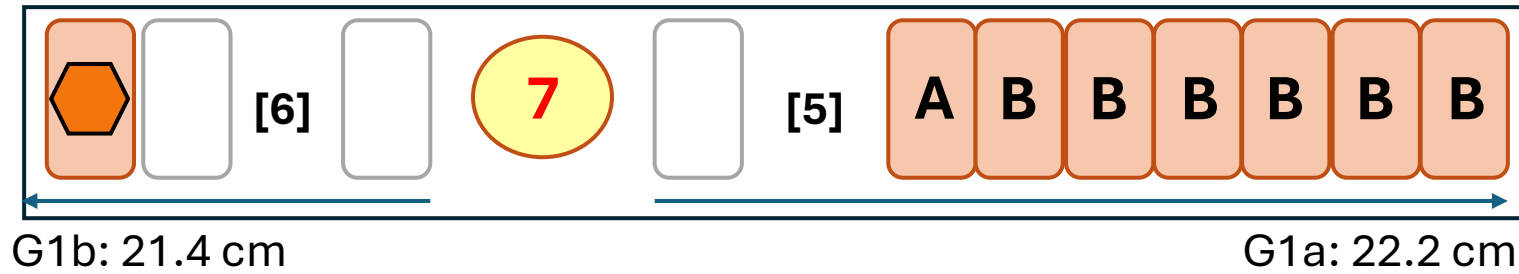
Board III : Nest 23



Board III : Nest 24



Board III : Nest 25

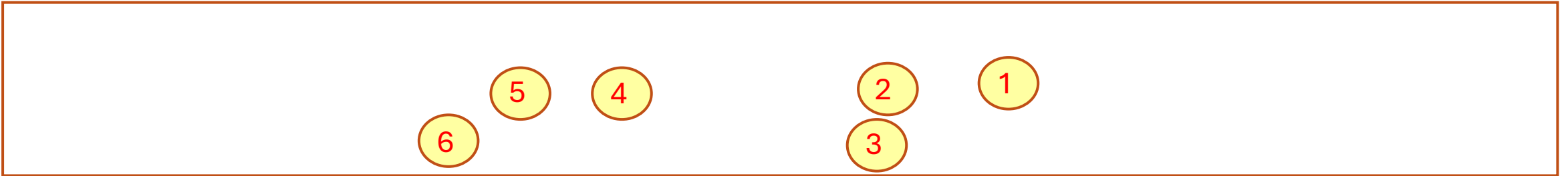


Board IV

Face Top View



Face Bottom View



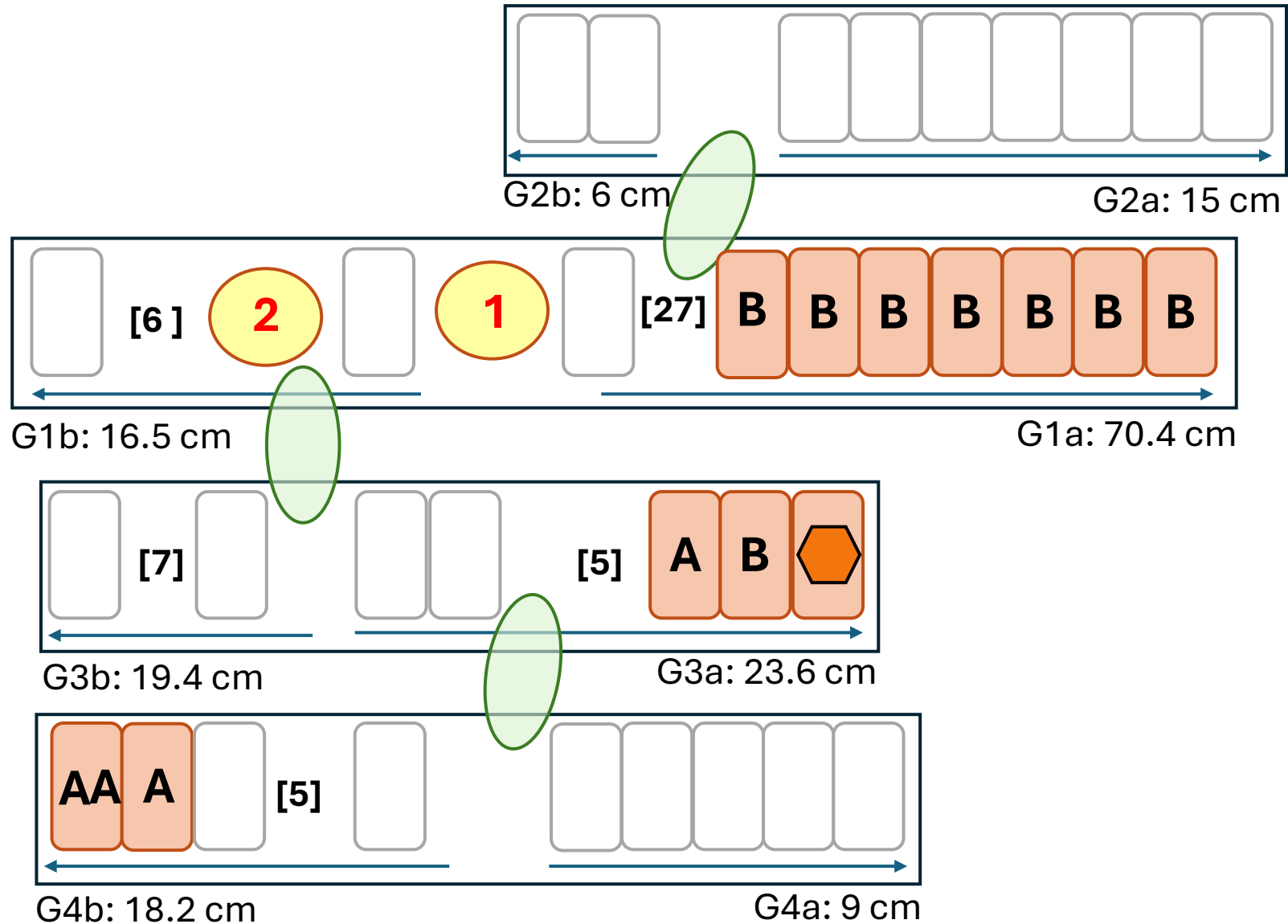
Edge Bottom View



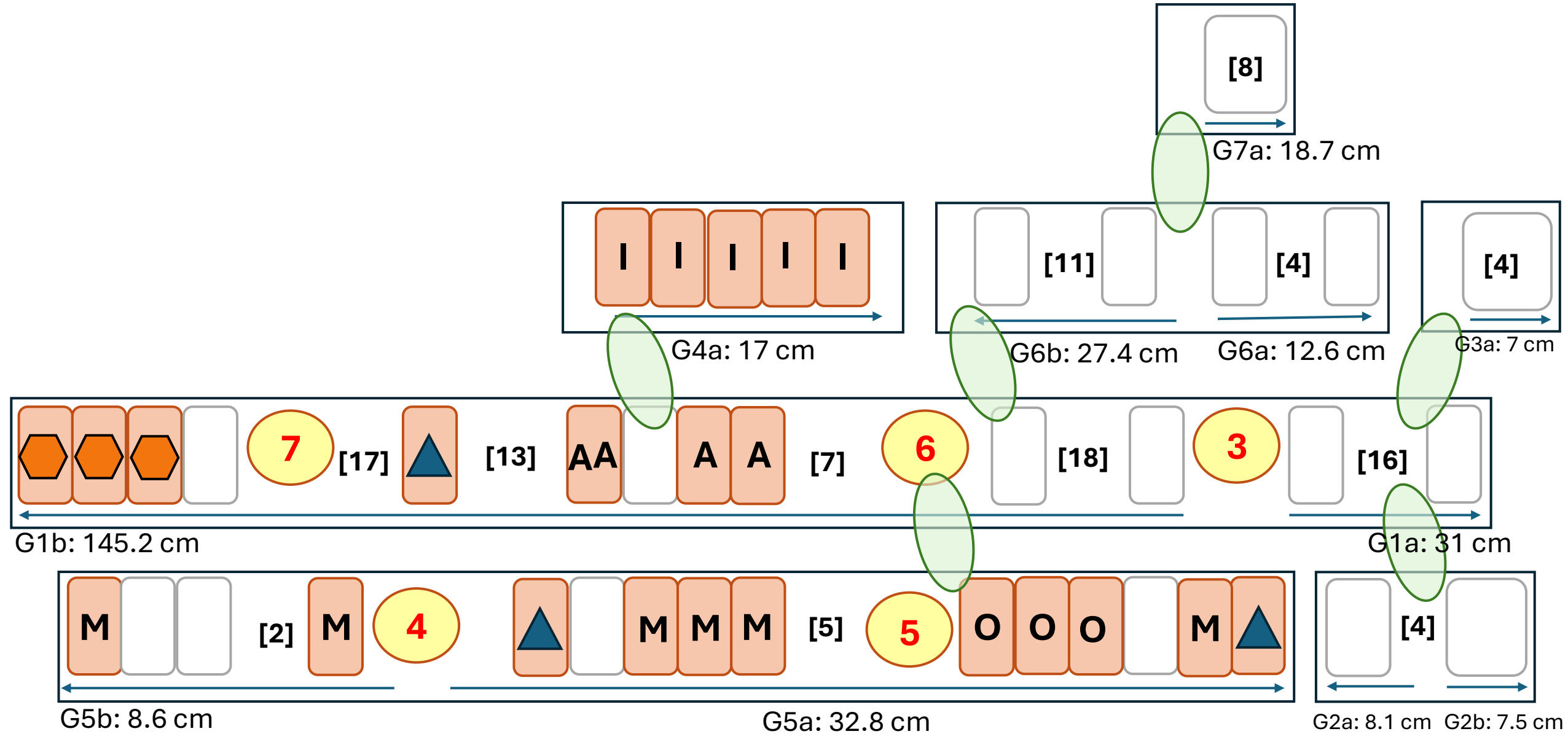
Edge Top View



Board IV : Nest 26



Board IV : Nest 27



Board V

Face Top View



Face Bottom View



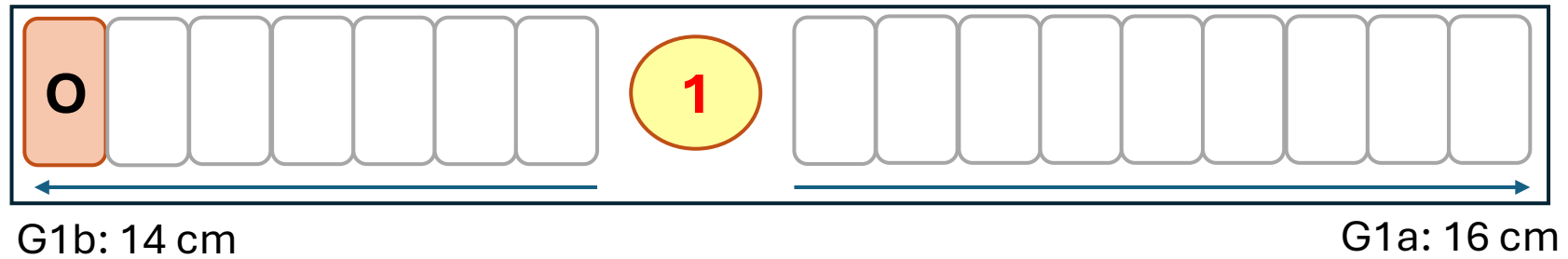
Edge Bottom View



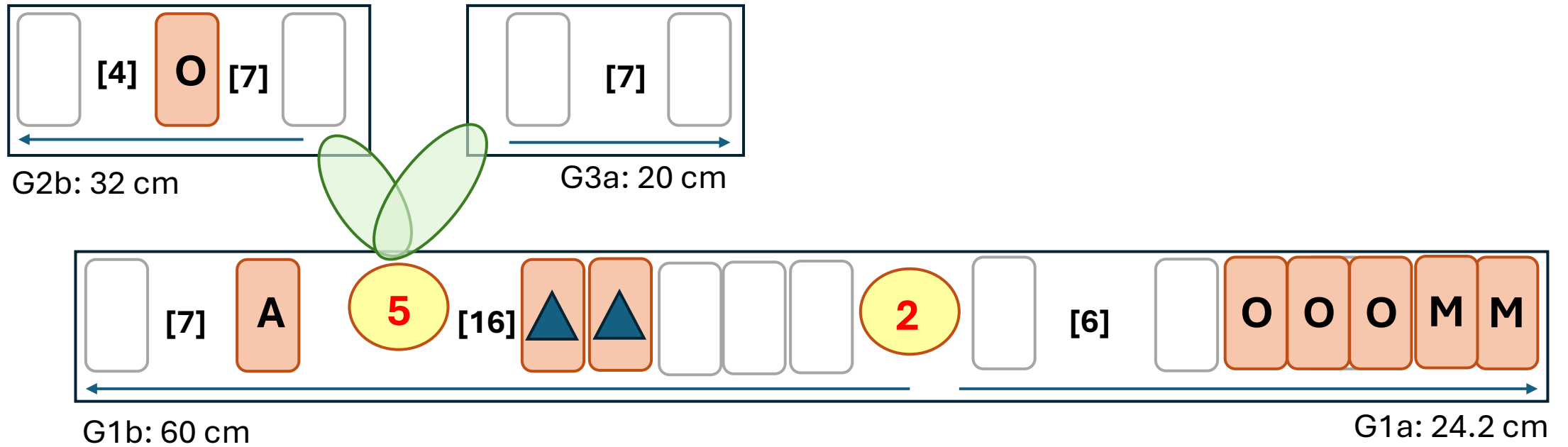
Edge Top View



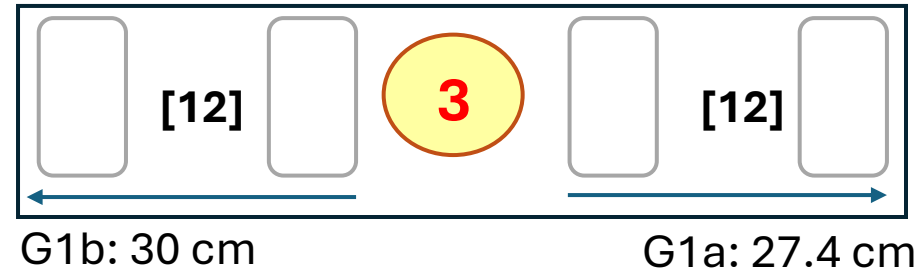
Board V : Nest 28



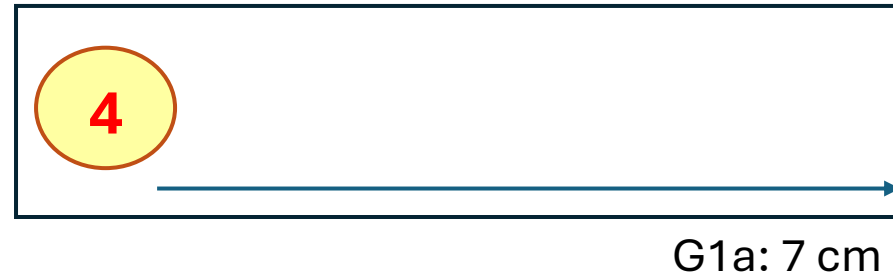
Board V : Nest 29



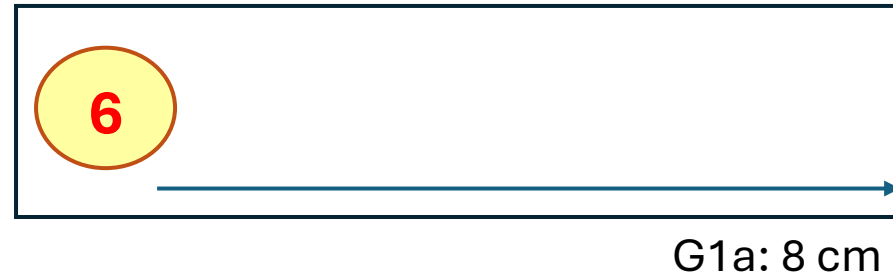
Board V : Nest 30



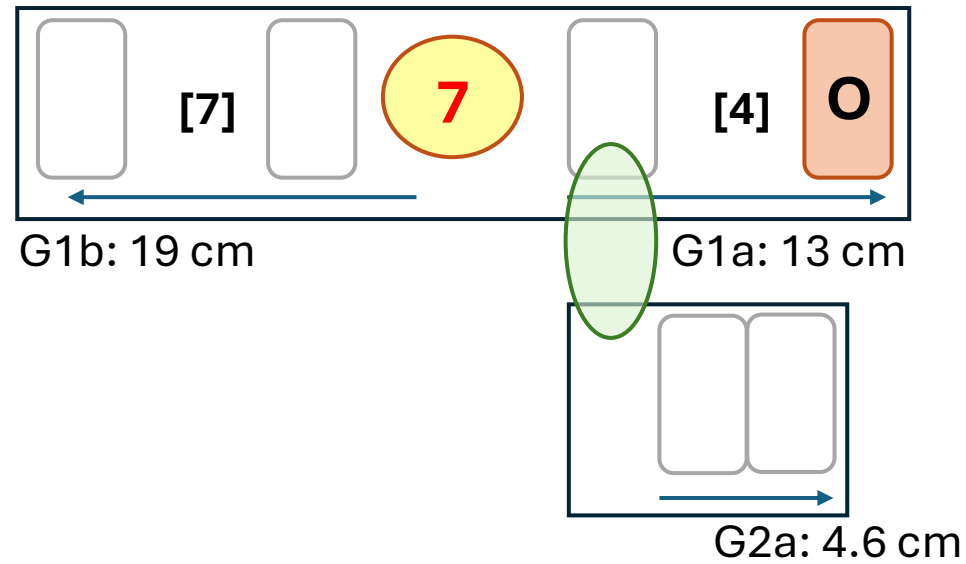
Board V : Nest 31



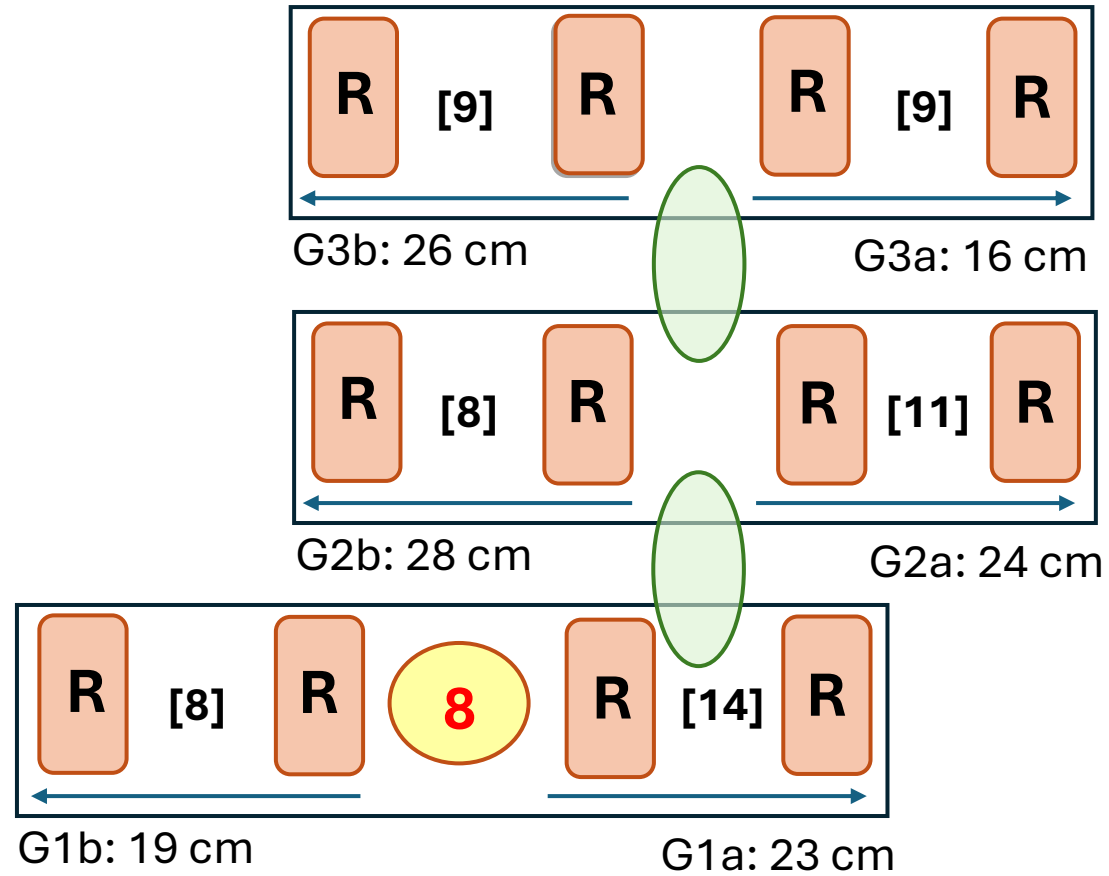
Board V : Nest 32



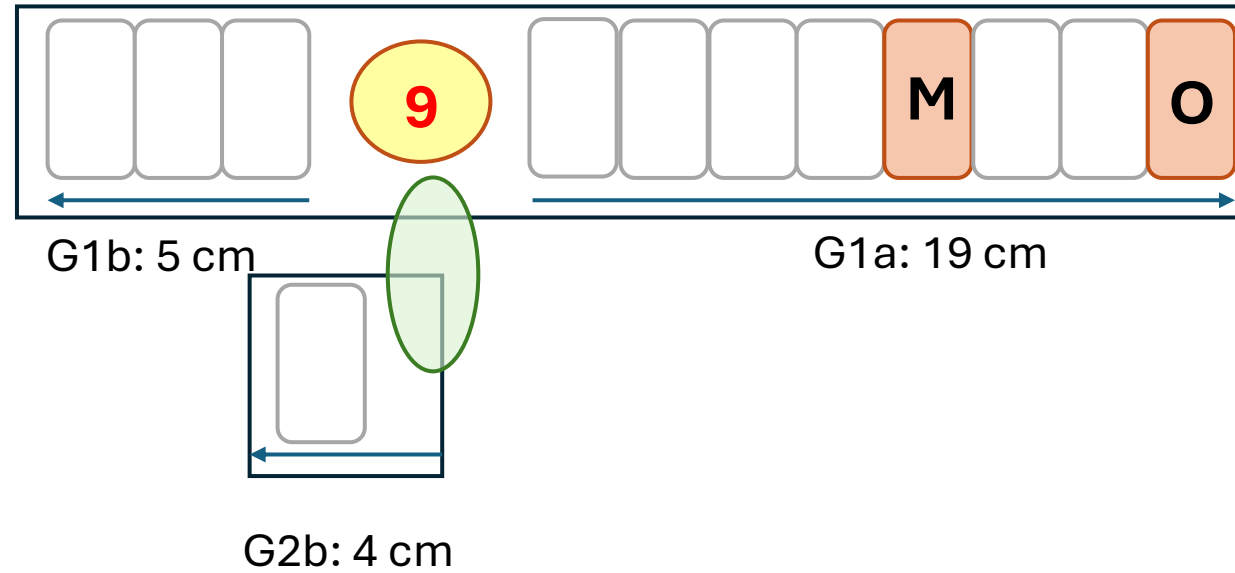
Board V : Nest 33



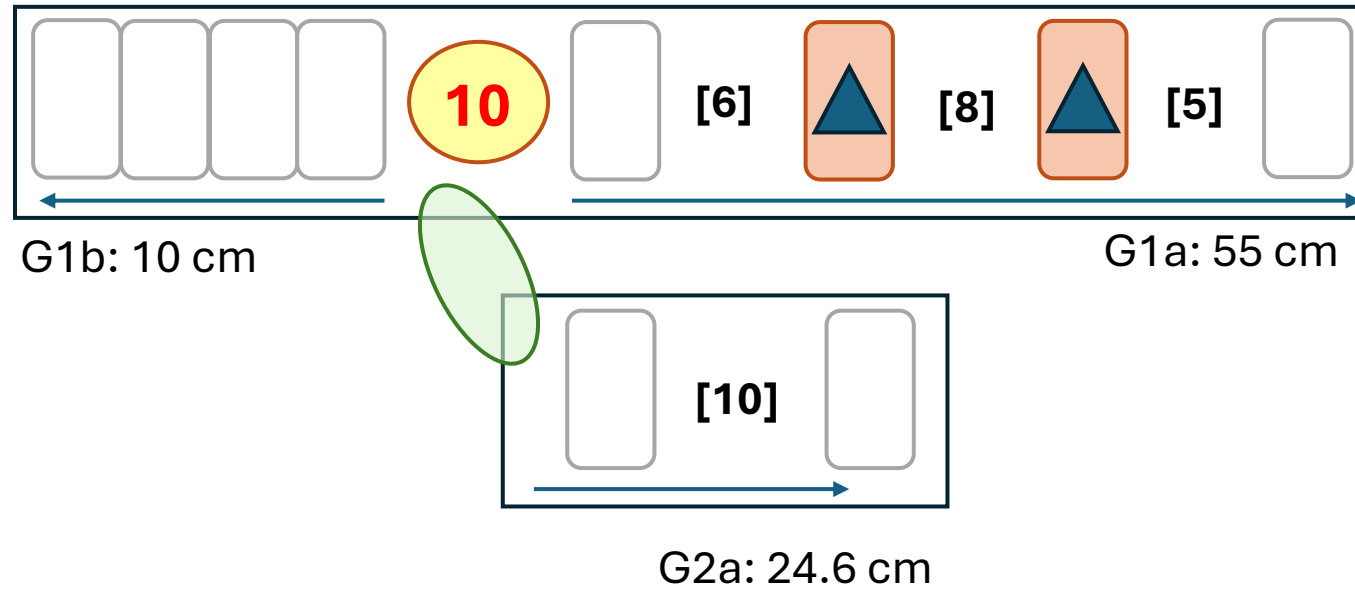
Board V : Nest 34



Board V : Nest 35



Board V : Nest 36

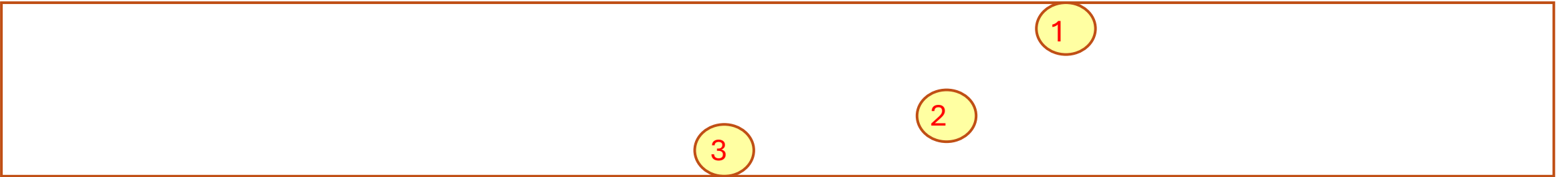


Board VI

Face Top View



Face Bottom View



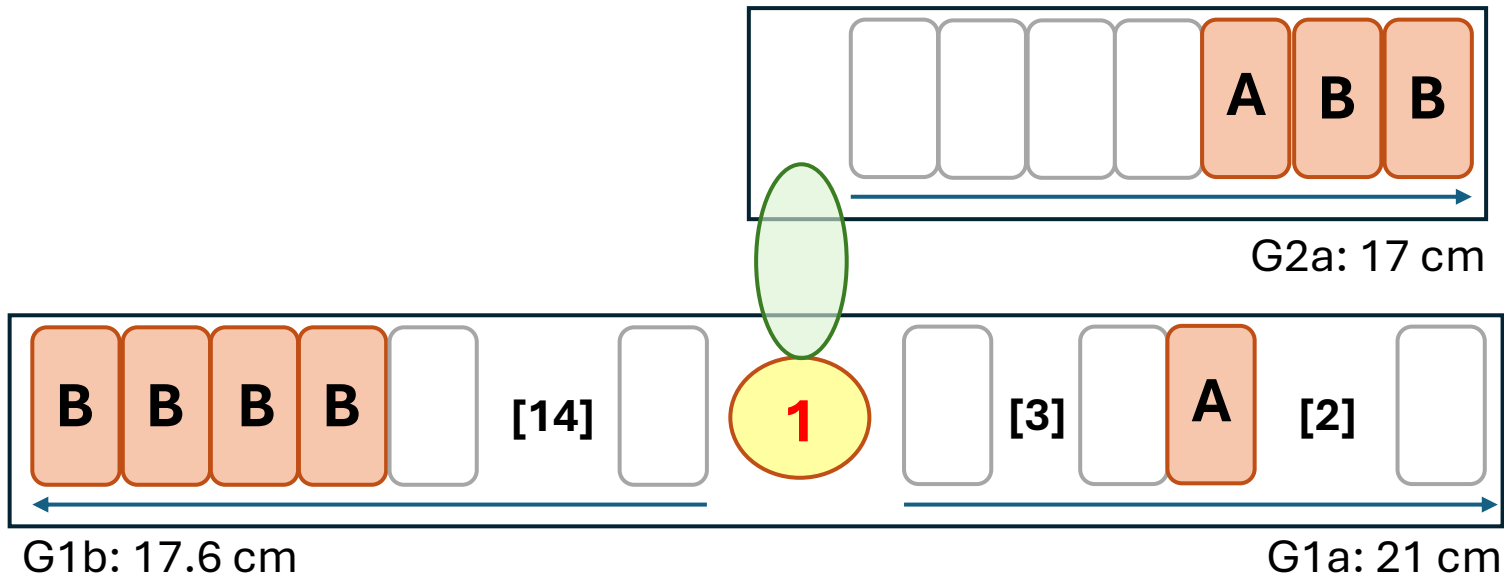
Edge Bottom View



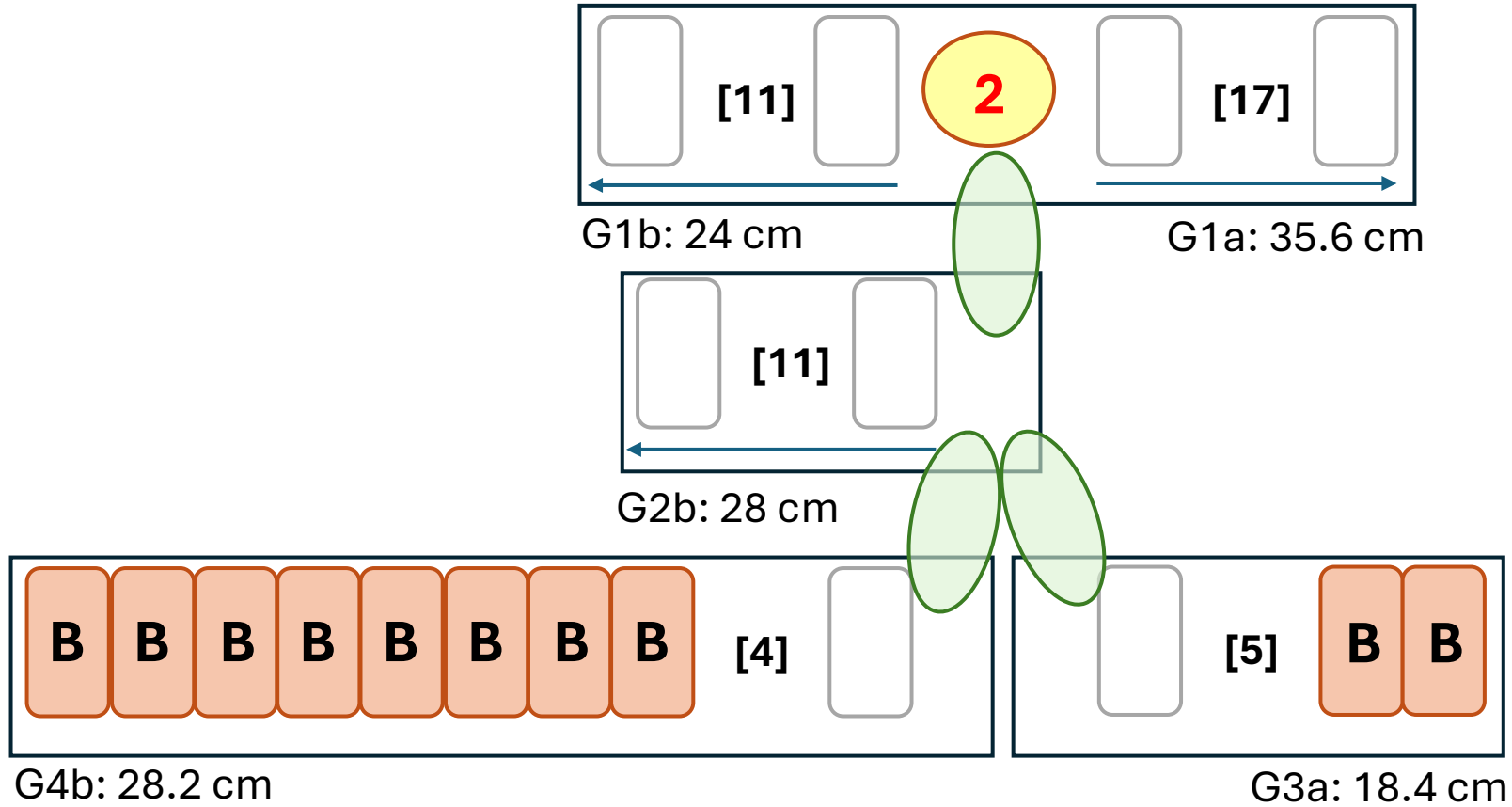
Edge Top View



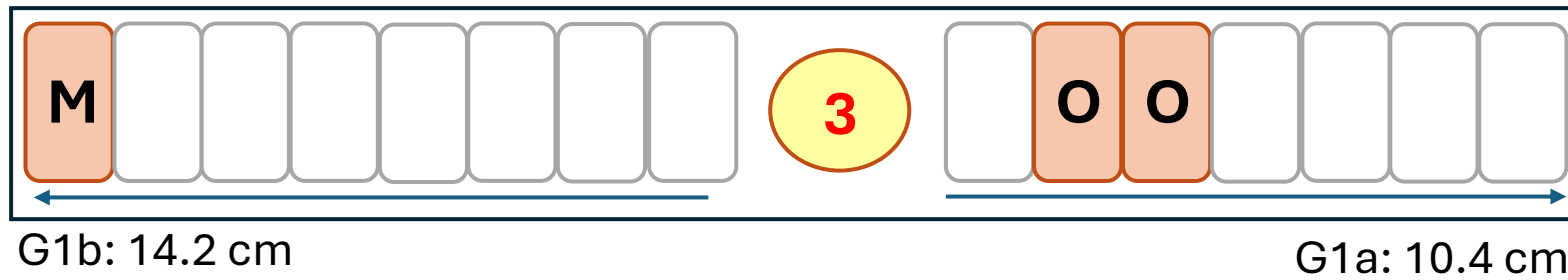
Board VI : Nest 37



Board VI : Nest 38



Board VI : Nest 39



Board VII

Face Top View

6

Face Bottom View

4

2

5

Edge Bottom View

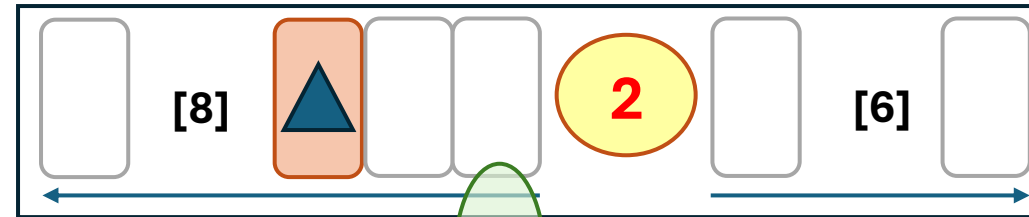
7

3

Edge Top View

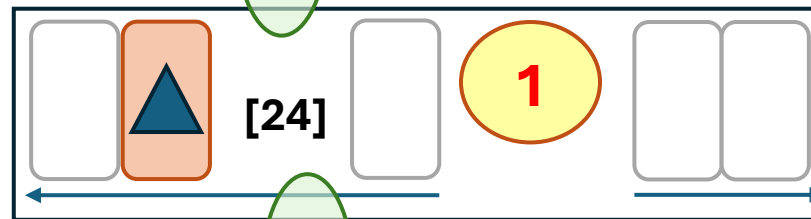
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Board VII : Nest 40



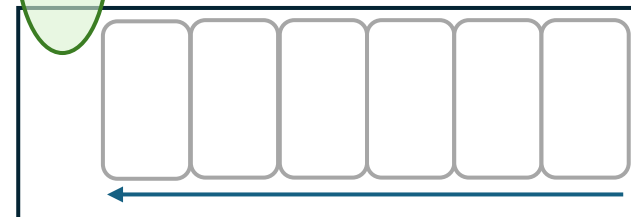
G3b: 26.6 cm

G3a: 12.8 cm



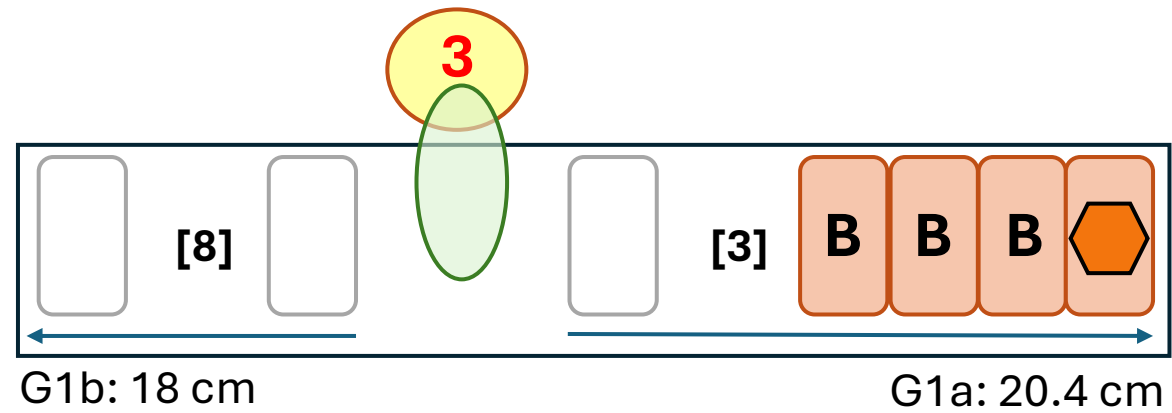
G1b: 35 cm

G1a: 3 cm

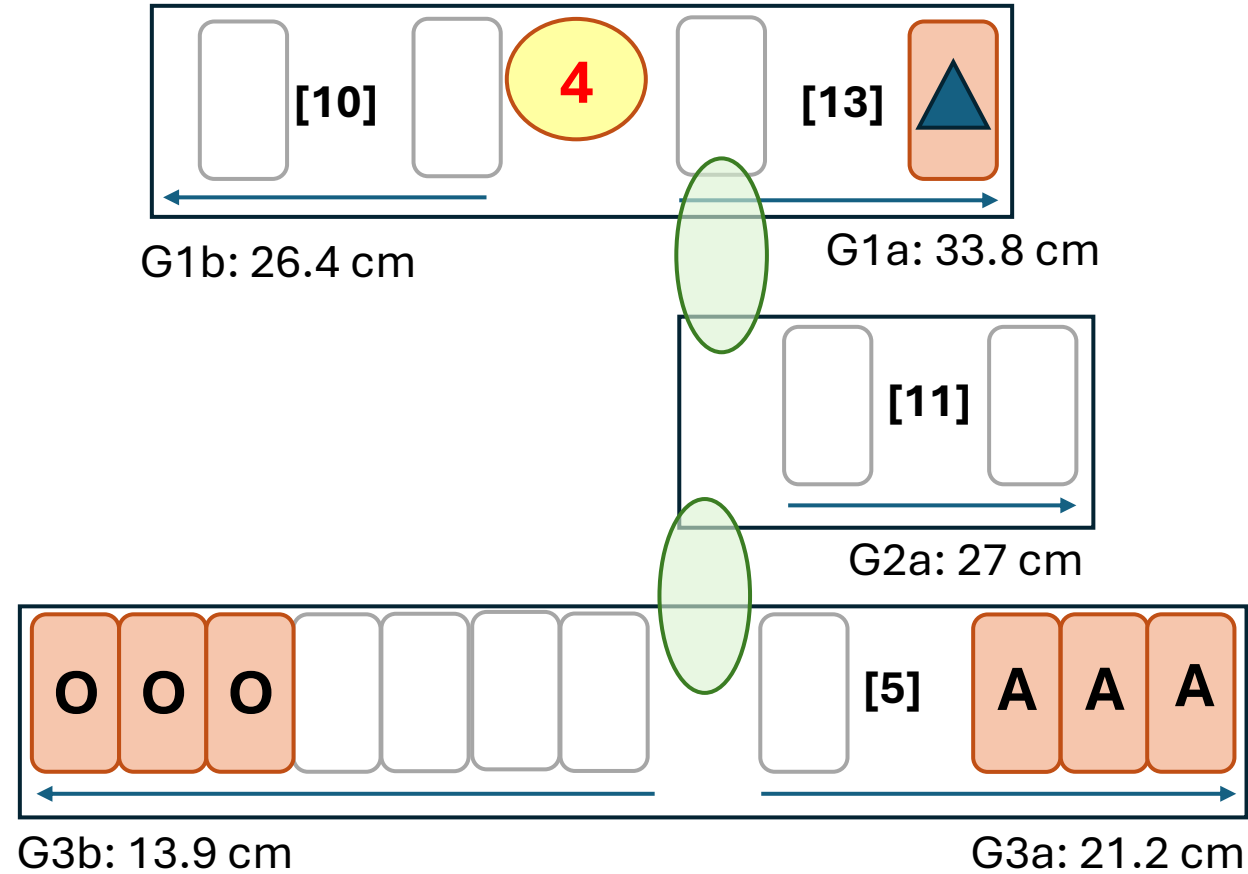


G2a: 12 cm

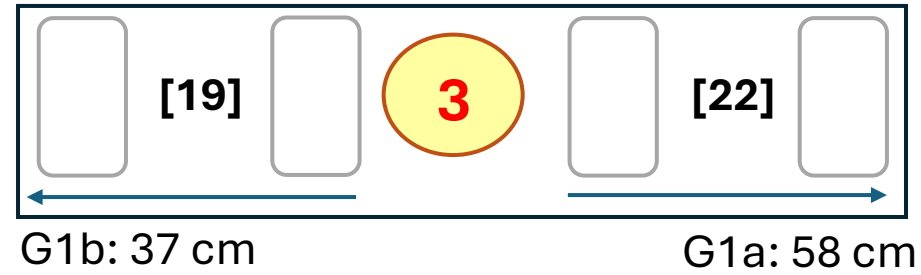
Board VII : Nest 41



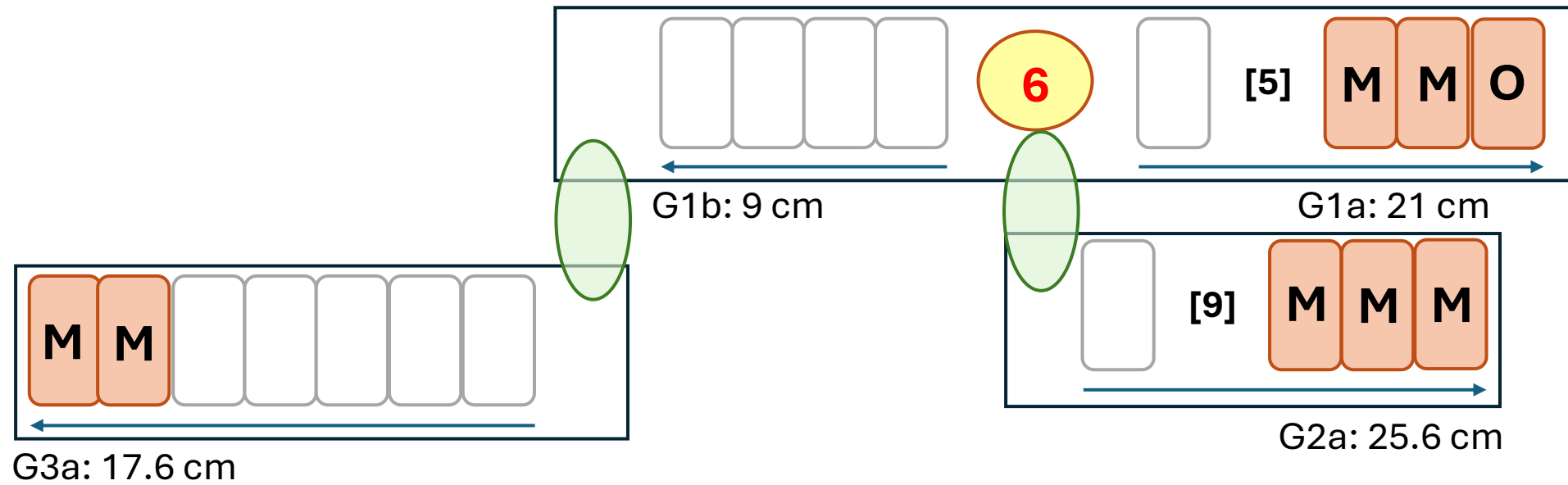
Board VII : Nest 42



Board VII : Nest 43



Board VII : Nest 44



Board VII : Nest 45

