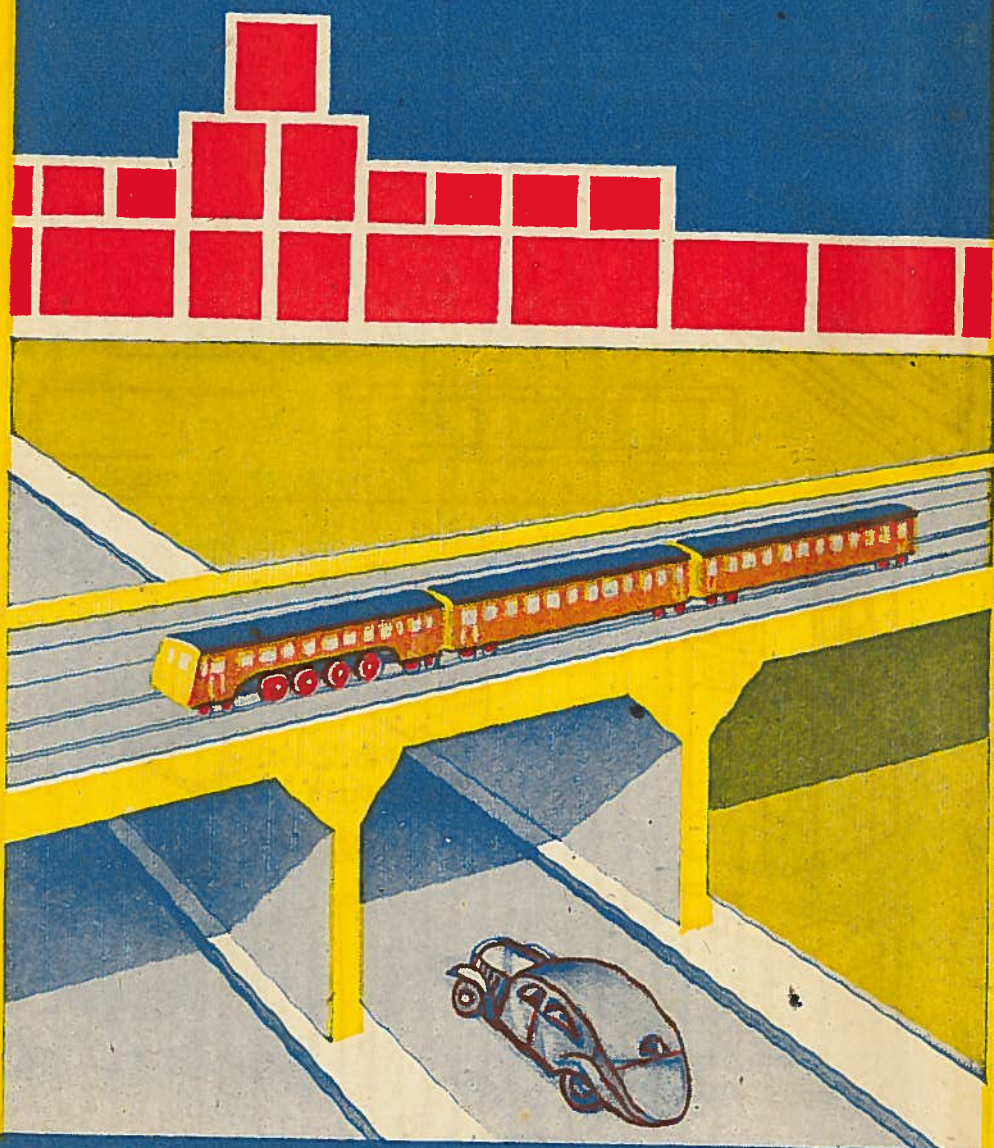# INGENIO

The Modern Structural Building Box

INGENIO, the system of quick constructing is a new invention in the domain of structural building sets. The various parts are just slid one into another; and within a short time fine models, true to nature, can be constructed without troublesome screwing.

INGENIO structural building sets consist of plates and sliders. The sliders are made in such a manner, that the grooves of the plates can be slid in (fig. 1).

Models of any length can be constructed, most practically under application of the lap-joint (fig. 2).

For the face the face-sliders no. 16 together with the plates nos. 7, 8, 9, 10 or 11 will be applied. The face-sliders will be slid in according to fig. 3. They can be arranged either according to fig. 1 or according to fig. 2.

For engeneering-models the perforated plates nos. 2, 5, and 8 as well as the floor-stand no. 12 will be applied. They are joined by means of screws. The wheels will be slightly pressed when put on the axles. A spring locking device will keep the wheels there. On the reverse of this leaflet, please, find a schedule of the INGENIO building parts.
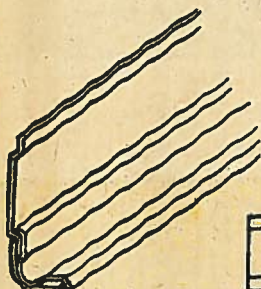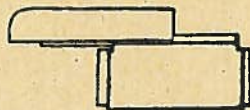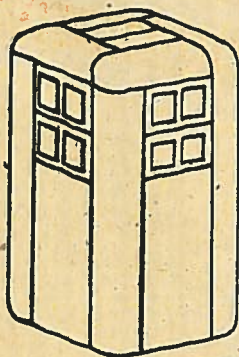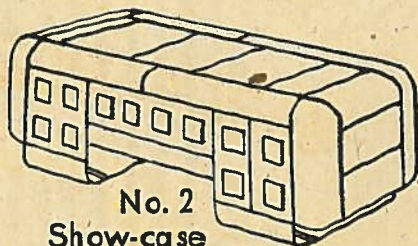
fig. 1   fig. 2   fig. 3

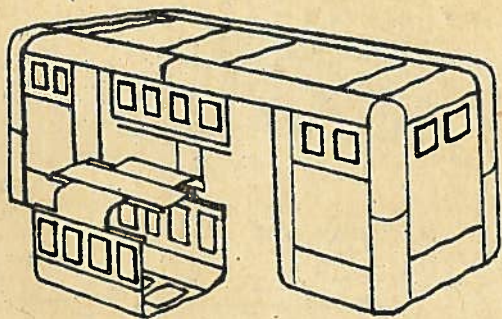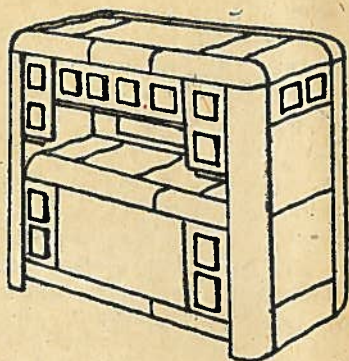**No. 1 Telefon-box**

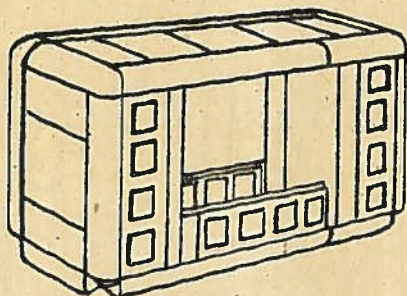**No. 2 Show-case**
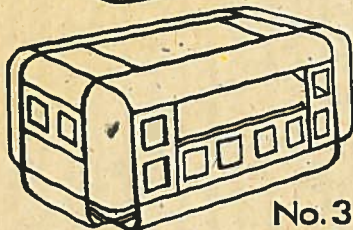
No. 3 Stall
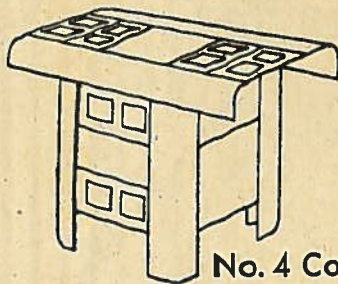
No. 4 Cooking-range
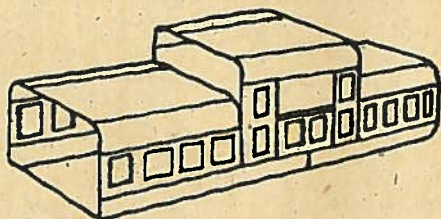
These models can be built with INGENIO 1, 2 or 3.
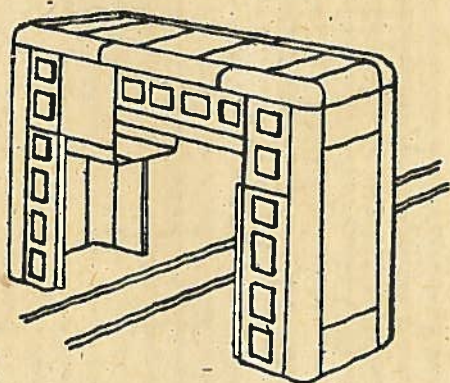
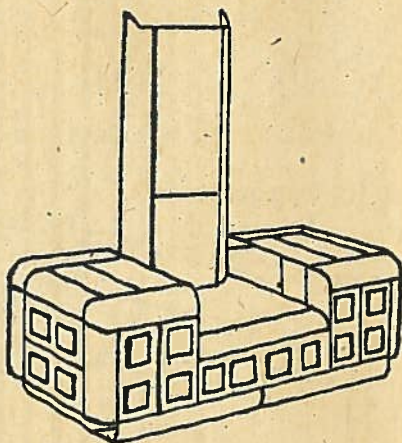No.5 Writing-table with chair

No. 6 Kitchen-cupboard

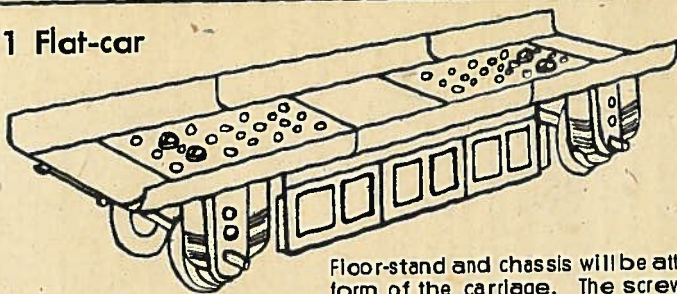No.7 Fire-place

No. 8 Station-hall

No. 9 Switch-stand

No. 10 Dressing-table

These models can be built with INGENIO 1, 2 or 3.

No. 11 Flat-car

Floor-stand and chassis will be attached to the platform of the carriage. The screws will be slightly tightened.
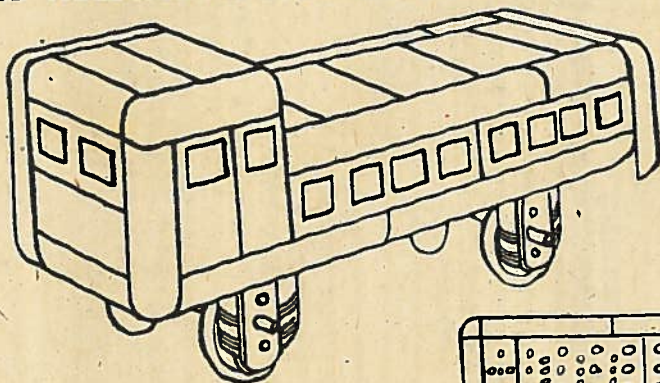
Side-view of the chassis
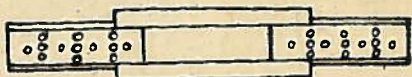
Surface of the chassis

No. 12 Truck with the brakeman's cabin

Back-side of the truck

The bottom of the truck, seen from below

No. 13 Luggage-van
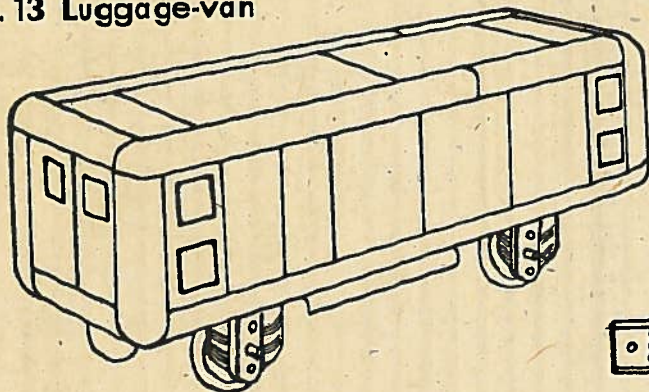
View of the chassis which will be screwed to the bottom of the van together with the floor-stand.
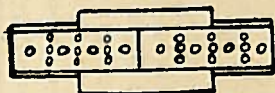
These models can be built with INGENIO 2 or 3.

No. 14 Electric-cart

Chassis
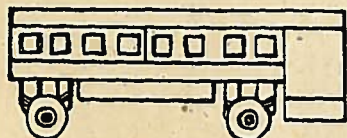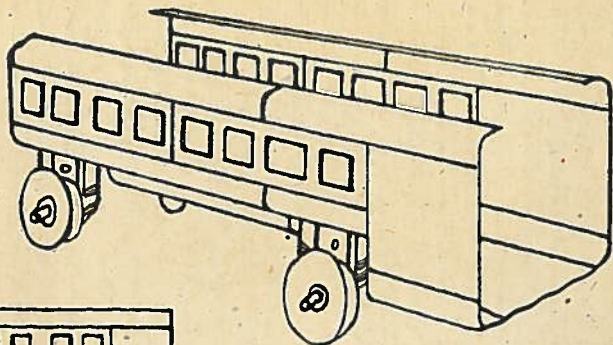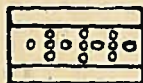
Side-view

Bottom of the truck, seen from below

No. 15 Tram
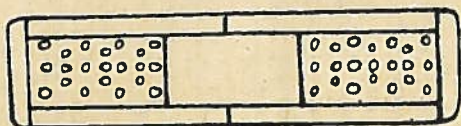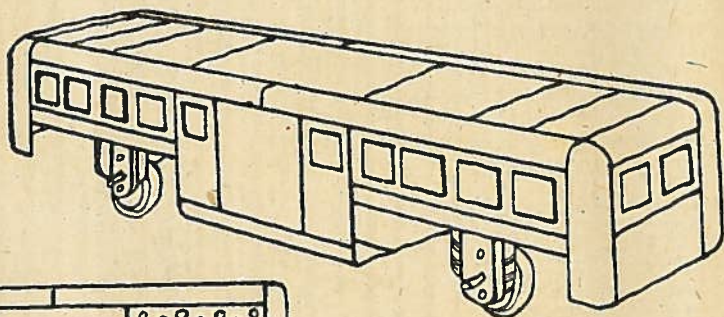
Bottom of the tram, seen from below

No. 16 Mine-locomotive
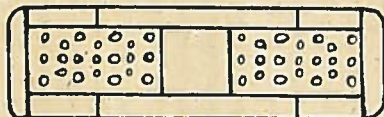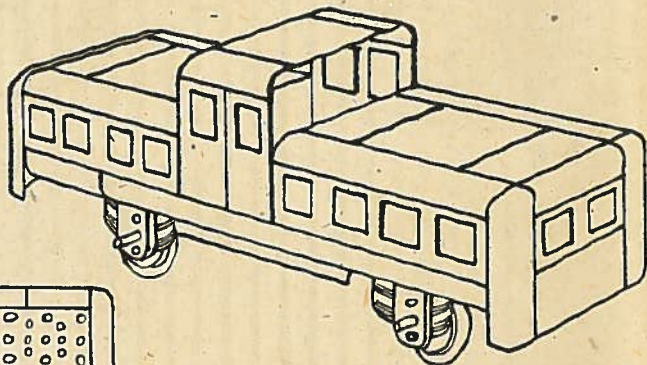
Chassis as model no. 13

Bottom of the locomotive, seen from below

These models can be built with INGENIO 2 or 3.

No.17 Diesel-locomotive
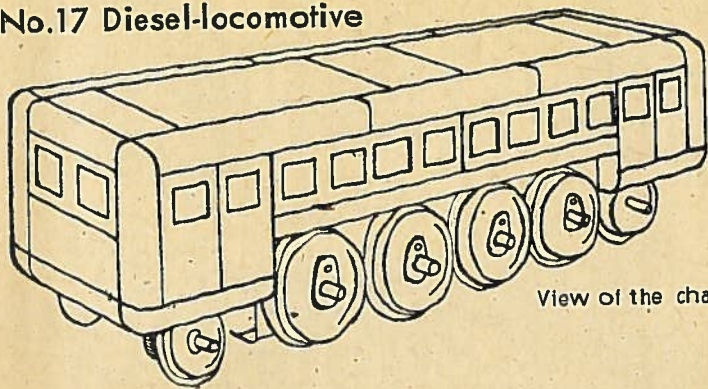
View of the chassis
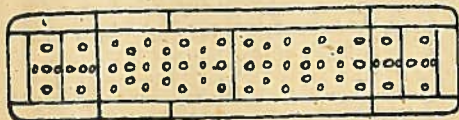
Bottom of the locomotive, seen from below
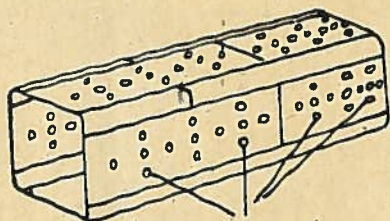
Axles will be fixed in these holes
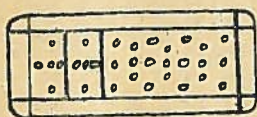
Bottom plate of the truck

View of the chassis
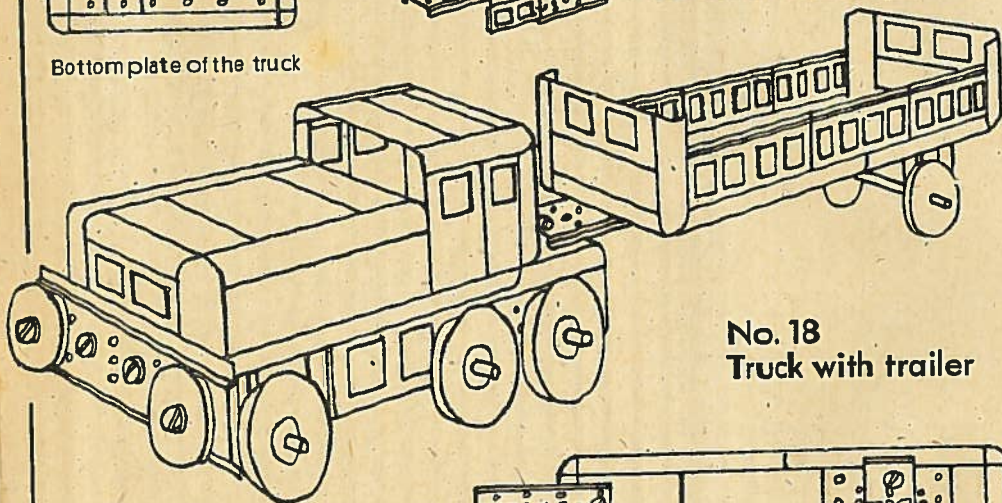
No. 18
Truck with trailer

Radiator of the truck
without lamp-holders
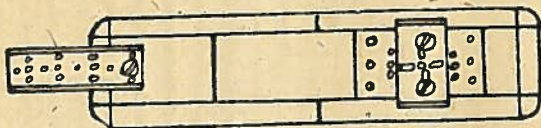
Bottom of the truck, seen from below

These models can be built with INGENIO 3.

View of the chassis

No.19 Overland-omnibus
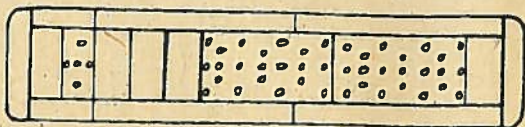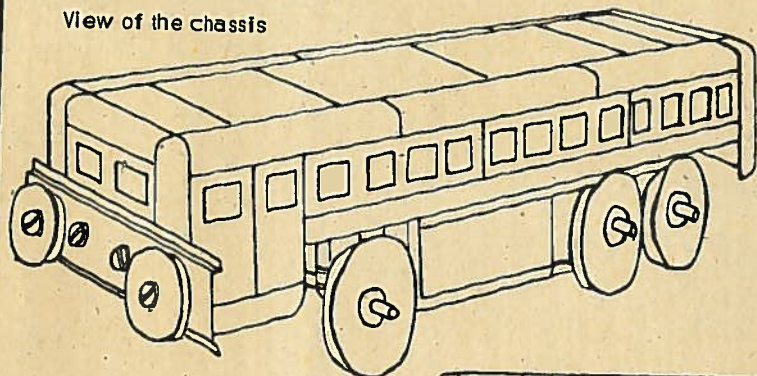
Bottom of the omnibus, seen from below

No.20 Elevating crane

Side-view of the crane-beam

This hole serves for fixing the crank
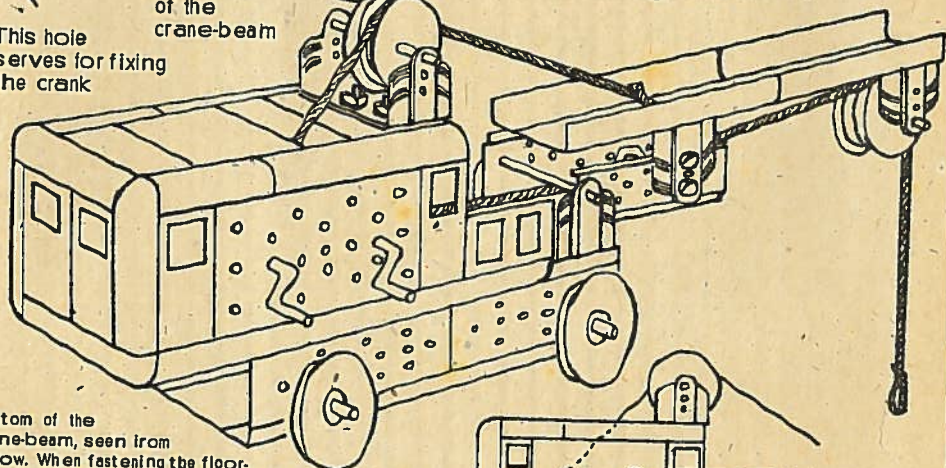
Bottom of the crane-beam, seen from below. When fastening the floor-stand, please, place a perforated plate no. 8 over the rectangular plate no. 6

Side-view of the crane
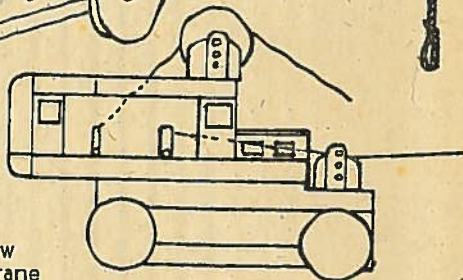
These models can be built of INGENIO 3.

Patterns of the INGENIO-parts
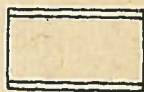
No. 1 large rectangular plate
No. 2 large rectangular plate, perforated
No. 3 square plate
No. 4 long rectangular plate
No. 5 long rectangular plate, perforated
No. 6 long rectangular window
No. 7 rectangular plate
No. 8 perforated plate
No. 9 window
No. 10 left door
No. 11 right door
No. 12 floor-stand
No. 13 short slider
No. 14 medium slider
No. 15 long slider
No. 16 face-slider
No. 17 large wheel
No. 18 small wheel
No. 19 axle
No. 20 crank
No. 21 screw
No. 22 screw-nut

Schedule of the parts which are contained in the boxes and used for the various models.

| Building part No.	contents of box INGENIO No.1	2	3	to be applied for model-no. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	4	2	2	4	1	2	—	4	4	3	4	3	4	—	—	2	—	2	—	2	1	2	1
2	—	2	2	—	—	—	—	—	—	—	—	—	—	2	2	2	2	2	2	2	2	2	2
3	6	6	6	—	5	—	4	6	6	6	4	6	1	1	3	6	3	4	4	1	2	1	1
4	2	2	2	—	1	—	—	2	1	2	—	2	1	1	—	—	—	—	—	2	2	—	2
5	—	2	8	—	—	—	—	—	—	—	—	—	—	2	—	2	1	—	2	6	6	6	8
6	4	4	6	—	1	2	—	4	1	4	4	4	1	—	4	—	4	4	4	4	6	6	3
7	8	6	6	2	8	6	4	8	8	8	—	6	8	2	6	8	—	6	6	4	7	8	4
8	—	4	4	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	4	4	2	4
9	8	6	6	8	6	6	6	8	8	—	6	4	8	6	2	4	—	2	2	2	6	2	2
10	—	2	4	—	—	—	—	—	—	—	—	—	—	2	2	—	2	2	4	2	2	3
11	—	2	4	—	—	—	—	—	—	—	—	—	—	2	2	—	2	2	4	2	2	3
12	—	2	4	—	—	—	—	—	—	—	—	—	2	2	2	2	2	2	2	2	1	4
13	8	10	10	—	6	4	—	8	8	8	—	4	6	—	5	—	4	2	8	10	7	6	6
14	6	6	10	—	6	—	4	6	4	6	6	6	6	2	6	4	6	6	6	2	6	6
15	4	4	8	4	—	4	2	4	4	4	4	4	2	2	4	4	4	4	2	6	8	6	8
16	4	8	8	4	4	4	—	4	4	4	—	4	4	—	6	8	—	4	4	8	8	4	4
17	—	—	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	8	6	8
18	—	4	4	—	—	—	—	—	—	—	—	—	—	4	4	4	4	4	4	4	2	2	—
19	—	2	10	—	—	—	—	—	—	—	—	—	—	2	2	2	2	2	2	6	4	3	5
20	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
21	—	6	10	—	—	—	—	—	—	—	—	—	—	4	4	4	6	4	4	6	10	7	10
22	—	6	10	—	—	—	—	—	—	—	—	—	—	4	4	4	6	4	4	6	10	7	10