A flow chart starts with figure S. This figure undergoes several alterations via the flow chart until it reaches the end figure, represented by a question mark. Your task is to select from the 8 possibilities at the bottom of the screen what figure S will look like once the entire flow chart has been completed.

Figure S passes through octagonal and circular shapes along the arrows. The octagonal alteration charts change the characteristics of figure S – its colour or the position of the ball. The circular comparison charts determine the route within the flow chart: the + route or the – route.

Octagonal

igure S changes its characteristics when it passes through an octagonal alternation chart. The octagons are divided into 3 sections. A dot in the top section (1) moves the ball in figure S either up or down. The middle section (2) indicates whether the figure is black or white. The bottom section (3) indicates whether the ball should move to the left or to the right.

Yuvarlak

The circle indicates that you need to compare figure S, as it is after its last transformation, with control figure C.  
The dot in layers 1, 2 or 3 of the circle indicates on which aspect the transformed figure S needs to be compared with control figure C.  
If the dot is in layer 1, the vertical position of the ball should be compared. If in layer 2 the colour. If in layer 3 the horizontal position of the ball. If C and S match on this aspect follow the route of the +. If not, follow the route of the -.

The legend schematically depicts the meaning of the three sections in the octagonal alteration chart and the circular comparison chart. The legend remains visible in all exercises.