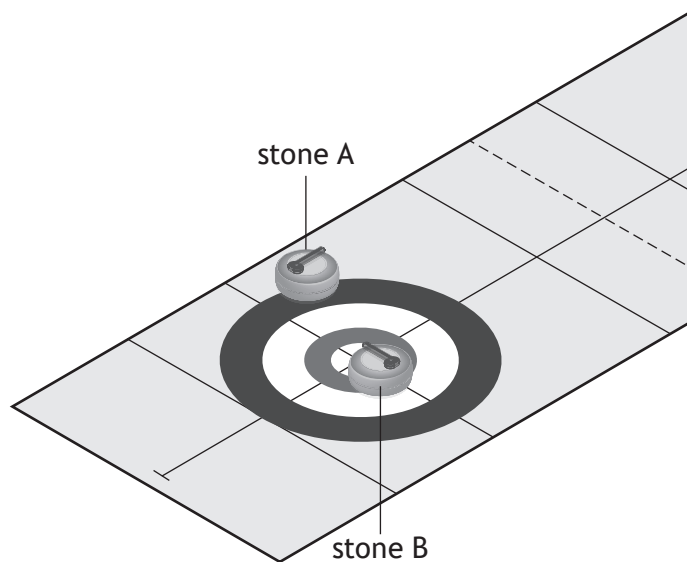


7. Curling is a sport where stones are thrown down a lane of ice towards a target. In the example below, stone B is closest to the middle of the target and is the winner.



A computer program calculates the distance of each stone from the middle of the target. The code below has been written to identify the winning stone but produces the wrong output.

```
...
Line 20  IF stone_A_distance < stone_B_distance THEN
Line 21      SEND "Stone B is the winner." TO DISPLAY
Line 22  ELSE
Line 23      SEND "Stone A is the winner." TO DISPLAY
Line 24  END IF
...
```

- (a) State the type of error in the code above and how it can be corrected.

2

Type of error _____

Correction _____

- (b) State the part of the processor used to compare `stone_A_distance` to `stone_B_distance`.

1
