

QR markers

Kai's Clan Sandbox allows students to create their own 3D environments using design software like Tinkercad or download pre-built models from 3d model libraries.

Each model will need to be associated to one of the below QR marker ID numbers or a Robot QR marker ID (on top of the robot)

Ask your students to hand draw a reference of their 3D model below the corresponding QR code.

Note: Don't cover the QR code image.

Cut out and place the QR markers onto the mat, then the QR marker IDs will be displayed in your Map view. Use the Sandbox Blockly to assign 3D models to any of the visible QR codes.

3 types of QR Marker codes

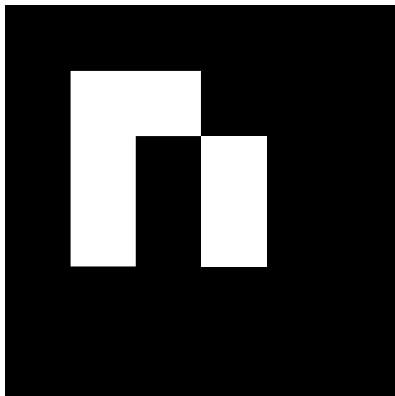
a. QR Markers with ID 1 to 20 are for robots. Best for moving objects like animals, vehicles, aeroplanes etc.

b. QR Markers with ID 101 to 112 are for static objects. Best for houses, plants, trees, landscapes etc.

c. QR Markers with ID 113 & 114 are with 3D printed gripper object. You can insert chocolate into the object and use for student rewards. Best used with crates, packages, food, water etc

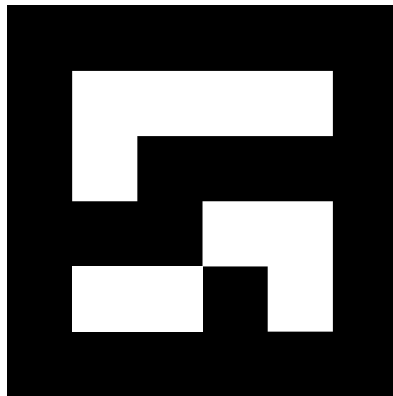
Download and print from:

<http://kaisclan.ai/downloads/choco-gripper.stl>



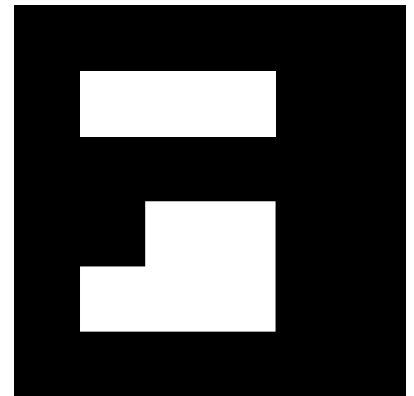
100

Name: _____



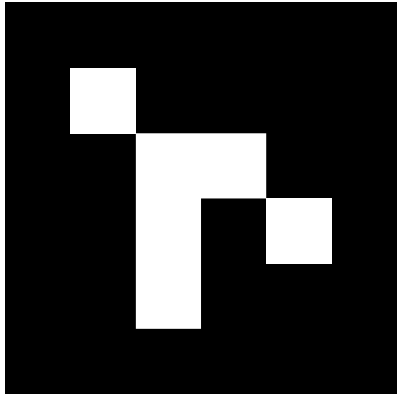
101

Name: _____



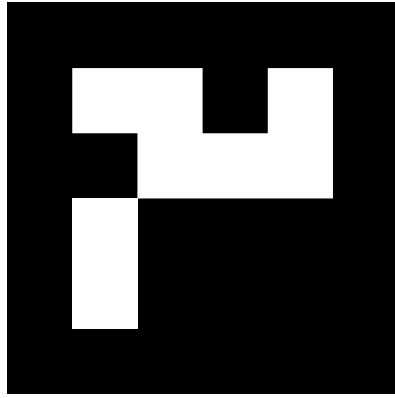
102

Name: _____



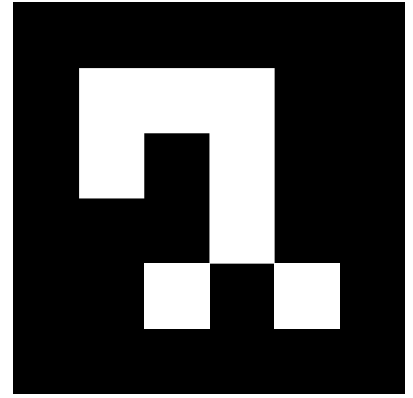
103

Name: _____



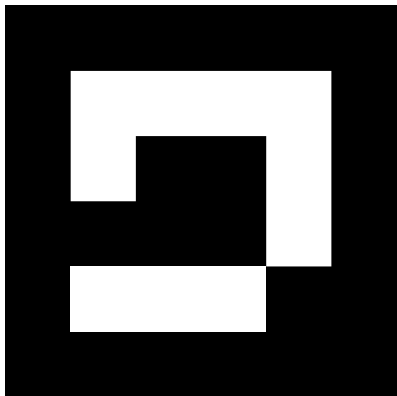
104

Name: _____



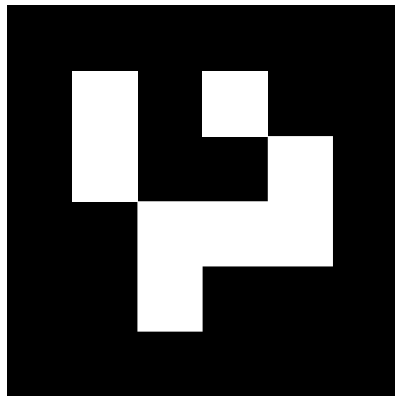
105

Name: _____



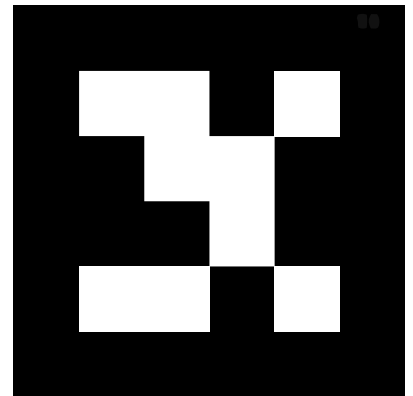
106

Name: _____



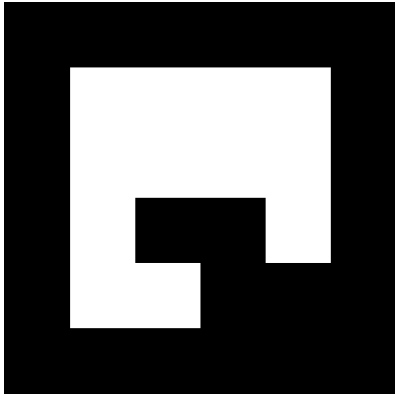
107

Name: _____



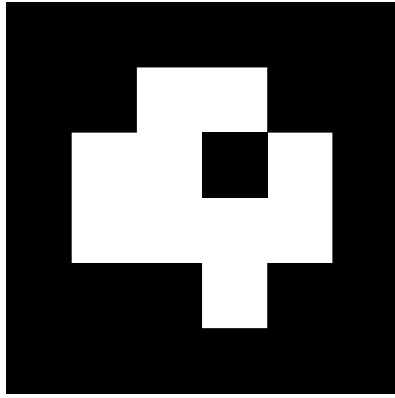
108

Name: _____



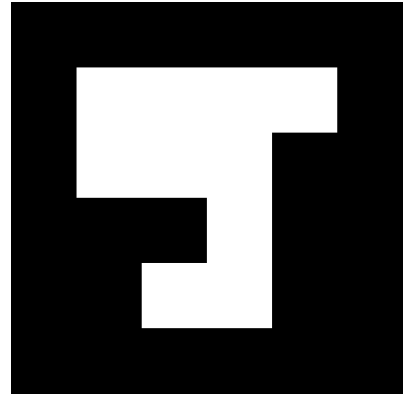
109

Name: _____



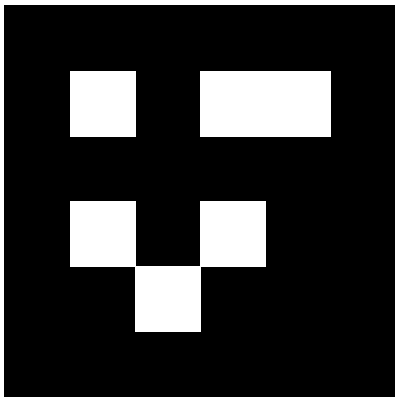
110

Name: _____



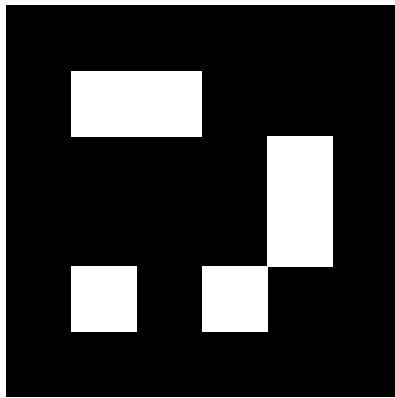
111

Name: _____



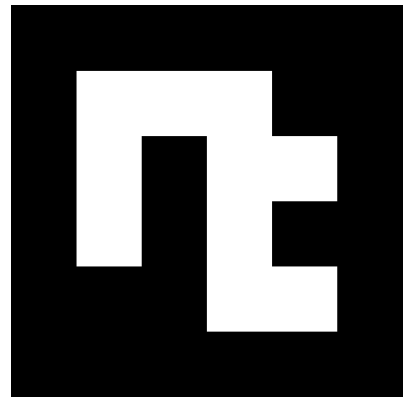
112

Name: _____



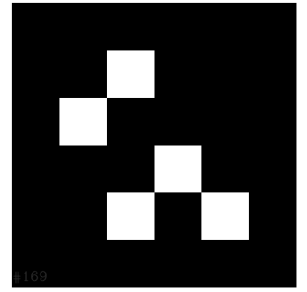
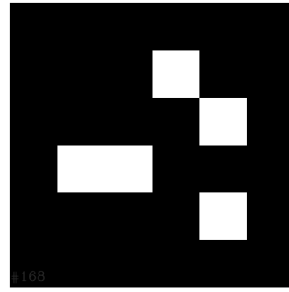
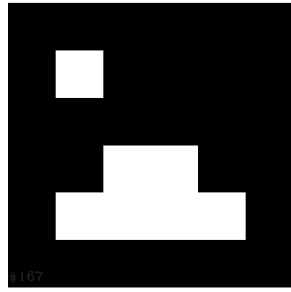
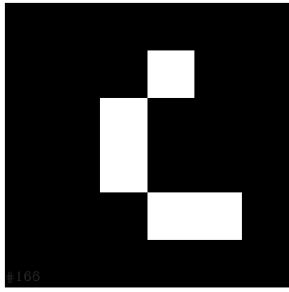
113

Name: _____



114

Name: _____



ROOK

166



KNIGHT

167



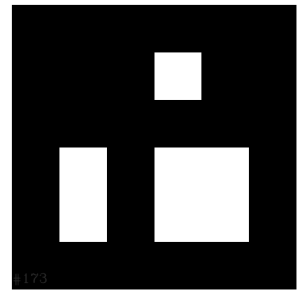
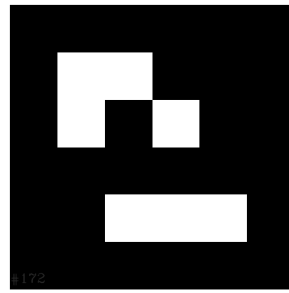
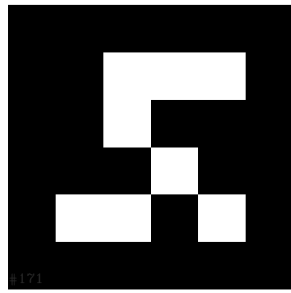
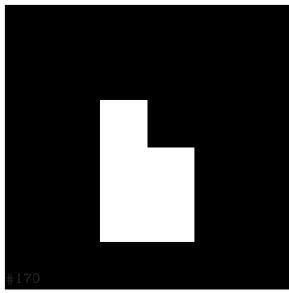
BISHOP

168



KING

169



QUEEN

170



BISHOP

171



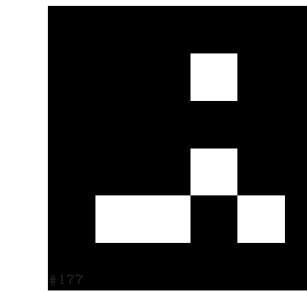
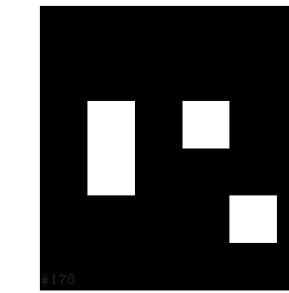
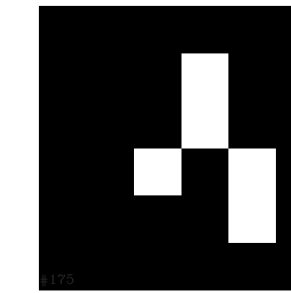
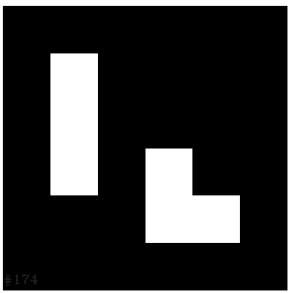
KNIGHT

172



ROOK

173



PAWN

174



PAWN

175



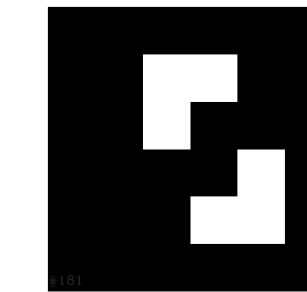
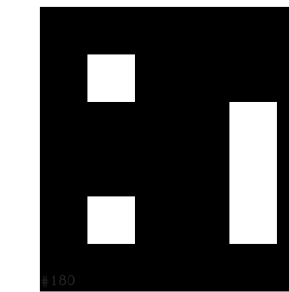
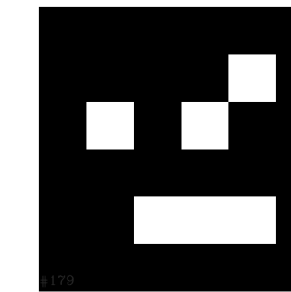
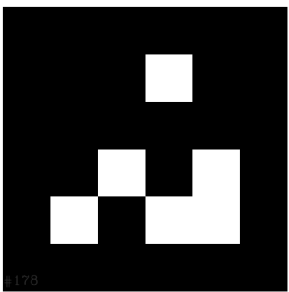
PAWN

176



PAWN

177



PAWN

178



PAWN

179



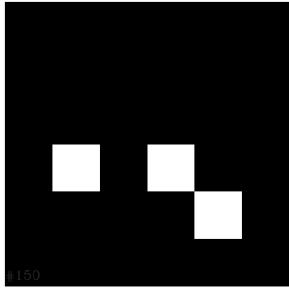
PAWN

180

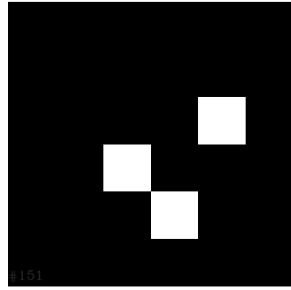


PAWN

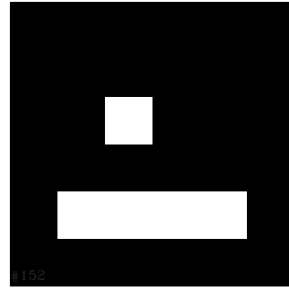
181



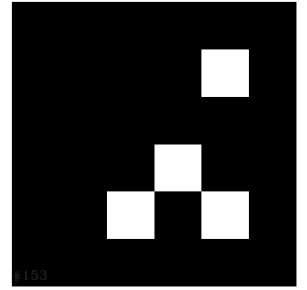
#150



#151



#152



#153



ROOK

150



KNIGHT

151



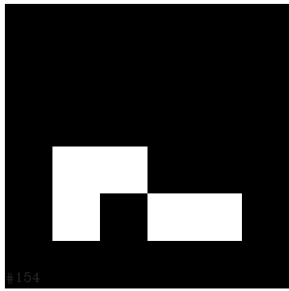
BISHOP

152

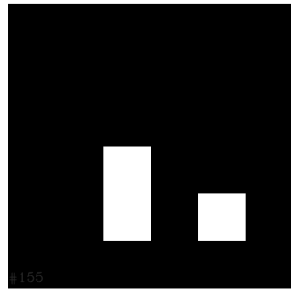


KING

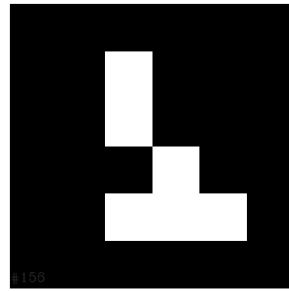
153



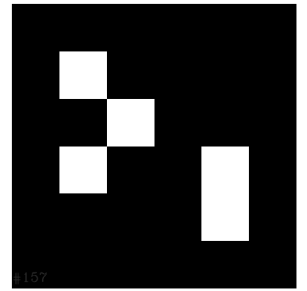
#154



#155



#156



#157



QUEEN

154



BISHOP

155



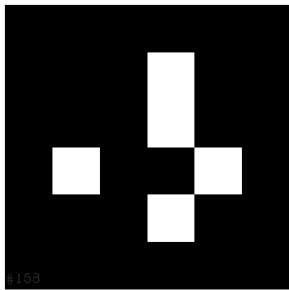
KNIGHT

156

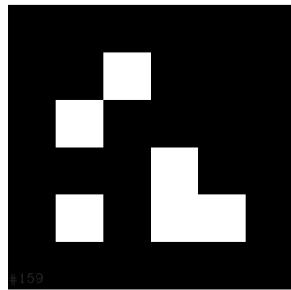


ROOK

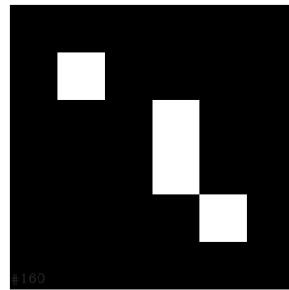
157



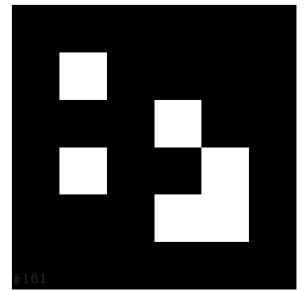
#158



#159



#160



#161



PAWN

158



PAWN

159



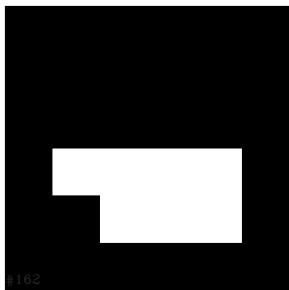
PAWN

160

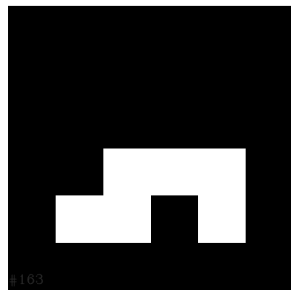


PAWN

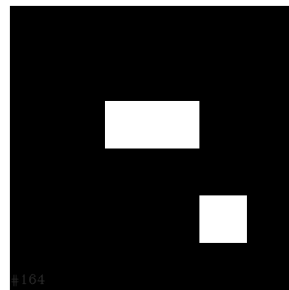
161



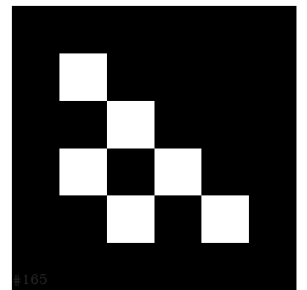
#162



#163



#164



#165



PAWN

162



PAWN

163



PAWN

164



PAWN

165