

```
1 import numpy as np
2
3 from onnxruntime import InferenceSession
4
5 def main():
6     onnxModelFilename = R'model.onnx'
7
8     file = open(onnxModelFilename, "rb")
9     onnxModelBytes = file.read()
10    file.close()
11
12    session = InferenceSession(onnxModelBytes)
13
14    #Make Prediction
15    print("[%i, %i] = %i" % (0, 0, Predict(session, 0, 0)))
16    print("[%i, %i] = %i" % (0, 1, Predict(session, 0, 1)))
17    print("[%i, %i] = %i" % (1, 0, Predict(session, 1, 0)))
18    print("[%i, %i] = %i" % (1, 1, Predict(session, 1, 1)))
19
20 def Predict(session: InferenceSession, p: int, q: int) -> int:
21     x = np.array([[p, q]], "float32")
22     feed = dict([(sessionInput.name, x[n]) for n, sessionInput in enumerate
23                  (session.get_inputs())])
24
25     prediction = session.run(None, feed)
26     predictedValue = prediction[0].flatten()[0]
27     roundedPredictedValue = int(round(predictedValue))
28
29     return roundedPredictedValue
30
31 if __name__ == "__main__":
32     main()
```