6.6 – **Image Segmentation Using Reinforcement Learning.**

The task is to implement the image segmentation algorithm using Reinforcement Learning
and evaluate it on synthetic images as described in Peng [1] (see below).

References:
[1] J Peng, B Bhanu, "*Closed-Loop Object Recognition Using Reinforcement Learning"*,
IEEE Transactions on Pattern Analysis and Machine Intelligence, v.20 n.2, p.139-154, February 1998

Contact: Artur Chodorowski

E-mail: artur.chodorowski@chalmers.se

Fig. 7. (a) A noisy synthetic image (*SNR* = 10). (b) Learned segmentation. (c) Theoretical segmentation. (d) Histogram of image in (a). (e) Recognition confidence as a function of threshold. (f) Recognition confidence received over time.