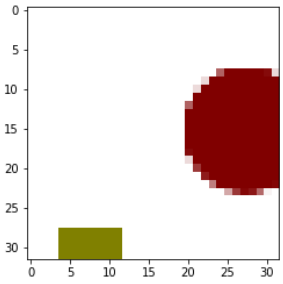
Some stuff the network does and doesn’t

In the output the 2 figures are switched up, but everything else looks fine. Because the network does n’t know which figure is in what layer (probably because there is no overlap).

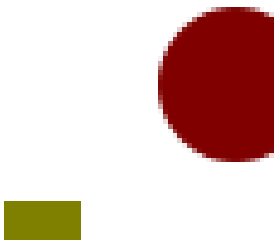
Original:

<?xml version="1.0" encoding="utf-8" ?><svg baseProfile="full" height="64" version="1.1" width="64" xmlns="http://www.w3.org/2000/svg" xmlns:ev="http://www.w3.org/2001/xml-events" xmlns:xlink="http://www.w3.org/1999/xlink"><defs /><rect fill="olive" height="8.0" width="16.0" x="8.0" y="56.0" /><ellipse cx="56.0" cy="32.0" fill="maroon" rx="16.0" ry="16.0" /></svg>



Predicted svg code and corresponding png to compare:

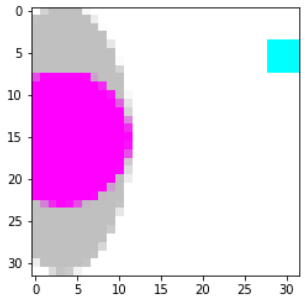
<?xml version="1.0" encoding="utf-8" ?><svg baseProfile="full" height="64" version="1.1" width="64" xmlns="http://www.w3.org/2000/svg" xmlns:ev="http://www.w3.org/2001/xml-events" xmlns:xlink="http://www.w3.org/1999/xlink"><defs /><ellipse cx="56.0" cy="32.0" fill="maroon" rx="16.0" ry="16.0" /><rect fill="olive" height="8.0" width="16.0" x="8.0" y="56.0" /></svg>



Sometimes it produces a really nice code but it fails at detecting the color and the network makes the shapes white.

Original:

<?xml version="1.0" encoding="utf-8" ?><svg baseProfile="full" height="64" version="1.1" width="64" xmlns="http://www.w3.org/2000/svg" xmlns:ev="http://www.w3.org/2001/xml-events" xmlns:xlink="http://www.w3.org/1999/xlink"><defs /><ellipse cx="8.0" cy="32.0" fill="silver" rx="16.0" ry="32.0" /><rect fill="cyan" height="8.0" width="32.0" x="56.0" y="8.0" /><ellipse cx="8.0" cy="32.0" fill="fuchsia" rx="16.0" ry="16.0" /></svg>



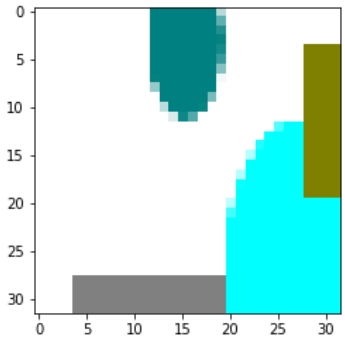
Predicted svg code and corresponding png to compare:

<?xml version="1.0" encoding="utf-8" ?><svg baseProfile="full" height="64" version="1.1" width="64" xmlns="http://www.w3.org/2000/svg" xmlns:ev="http://www.w3.org/2001/xml-events" xmlns:xlink="http://www.w3.org/1999/xlink"><defs /><ellipse cx="8.0" cy="32.0" fill="white" rx="16.0" ry="32.0" /><rect fill="cyan" height="8.0" width="8.0" x="56.0" y="8.0" /><ellipse cx="8.0" cy="32.0" fill="white" rx="16.0" ry="32.0" /></svg>

If there are more figues involved the network starts to predict with a higher error rate and mix up some stuff.

Original:

<?xml version="1.0" encoding="utf-8" ?><svg baseProfile="full" height="64" version="1.1" width="64" xmlns="http://www.w3.org/2000/svg" xmlns:ev="http://www.w3.org/2001/xml-events" xmlns:xlink="http://www.w3.org/1999/xlink"><defs /><ellipse cx="56.0" cy="56.0" fill="cyan" rx="16.0" ry="32.0" /><rect fill="olive" height="32.0" width="32.0" x="56.0" y="8.0" /><rect fill="gray" height="32.0" width="32.0" x="8.0" y="56.0" /><ellipse cx="32.0" cy="8.0" fill="teal" rx="8.0" ry="16.0" /></svg>



Predicted svg code and corresponding png to compare:

<?xml version="1.0" encoding="utf-8" ?><svg baseProfile="full" height="64" version="1.1" width="64" xmlns="http://www.w3.org/2000/svg" xmlns:ev="http://www.w3.org/2001/xml-events" xmlns:xlink="http://www.w3.org/1999/xlink"><defs /><ellipse cx="56.0" cy="56.0" fill="aqua" rx="16.0" ry="32.0" /><rect fill="olive" height="32.0" width="32.0" x="56.0" y="56.0" /><ellipse cx="32.0" cy="8.0" fill="cyan" rx="8.0" ry="16.0" /><rect fill="olive" height="32.0" width="32.0" x="8.0" y="8.0" /><ellipse cx="32.0" cy="56.0" fill="cyan" rx="8.0" ry="32.0" /></svg>