Cognetive Systems   SoSe 2014   Wadim Halik
Tutor: Gruppe: Maik Shünemann
Uhrzeit: Mi. 08-10 Uhr   Yaoxin Zhoa Vahl
                                                     Tchambo Hubert Fred

Übungsblatt 02

Aufgabenlösung

Abgabe: 25.05.2014

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a)

For this Task we added a Memory Unit and a lot of functionality to our existing Thinking Unit. Our cognetive system can now remember numbers it had counted before. Our Thinking Unit know can recognise groupings. We refactored our old solution from ex1 so far, that the cognetive system now doesn't sequentialy search, but now our cognetive system has got peripheral sight and a focus sight. When using the peripheral sight it can detect colors and then the focus sight takes a closer look for the relevant objects and counts them. The peripheral sight has a much greater Radius.

b)

See the java Source files, or compiled .jar file.

c

Open with java -jar [filepath/cosy2.jar], needs Java Version 6.x or Java 7.x to run.

When we ask our system(By Typing in the command prompt) How many black circles are there, it responds I counted 4 black circles. There is a Windows opening up showing the picture and graphically showing the peripheral sight and then the focus sight.

When then ask our system How many black circles and light_blue circles are there,
it responds I know of 4 black circles and I counted 5 light blue circles, altogether 11 Objects.
This indicates, that the first number wasn't counted but was taken out von memory.