There are 12 LDR sensors placed on a hemispherical surface whose top view is as shown in the figure. If the sun is directly above a sensor, the sensor output will be highest. Make a code (in Arduino / AVR) to determine sun’s angular position taking these 12 sensor values. The respective angular positions are as mentioned below.

(1 -> 0degE 90N, 12 -> 180E 90N, 5 -> 90E 0N, 8->90E 180N, 3 -> 60E 90N, 10 -> 120E 90N, 6 -> 90E 60N, 7 -> 90E 120N, 2 -> 30E 30N, 4-> 30E 150N …)

