



- 4) Use the pixel based and the histogram comparison measures to find the shot transitions in the following 3 bit image frames of a video.

3	3	4	4	5
6	6	4	4	1
2	2	2	2	5
6	5	4	4	3
5	5	5	1	2

6	7	5	7	5
6	6	4	3	2
1	0	0	0	7
6	3	3	3	3
4	5	7	7	7

2	2	2	5	4
6	5	4	3	1
1	1	1	1	5
7	4	3	3	4
5	5	7	7	6

7	6	5	5	3
4	4	5	6	7
2	2	0	0	1
6	1	3	5	7
5	4	3	2	1

- 5) Assume that the frame instant is same as that of time instant of a video. Consider that the gray values in different frames of the video frames follows Gaussian distribution. Hence, considering initial three frames of the video construct the background model using P-finder based approach. Also find the motion information in 4th frame of the given video and update the background model.(Hint: Make any assumptions as required)

54	25	27	42
51	18	51	32
16	15	80	54
17	14	80	70

56	29	23	45
50	16	52	31
14	15	80	54
18	15	82	65

55	31	21	46
52	18	51	30
15	15	83	52
19	16	81	67

56	31	32	48
59	17	51	38
19	16	85	25
24	15	80	34

\*\*\*\*\*Best of Luck\*\*\*\*\*