1. Zadatak

fs = 50Hz

fu = 148,5MHz

L = 1125

N = 1920

n = 10 bita/uzorku

fh, Th, R = ?

1. fh = fs \* L = 50Hz \* 1125 = 56250Hz

Th = 1/fh = 17,8 µs

1. Th \* fu = 2640
2. Rukupna = (148,5MHz + 148,5/2 MHz \* 2)\*10 bita/uzorku = 2,97 Gbit/s
3. Rkorisna = 1920\*1080 \* 50Hz \* 10bita/uzorku + 960\*520 \* 50Hz \* 10bita/uzorku \* 2

= 2,0736 Gbit/s

1. Zadatak

3840x2160

L = 2250

1. fh = 50Hz \* 2250 = 112500Hz

Th = 8,89 µs

1. fu = 112500Hz \* 5280 = 594 MHz
2. R = (594 + 297 + 297)\*10bit/uzorku = 11,88 Gbit/s
3. fu = 100Hz \* 2250 \* 5280 = 1188 Mhz
4. R = (1188 + 594 + 594)\*10 = 23,76 Gbit/s