

a)

	Person	Body	Arm	Watch	Clock	attached to
Person	1	3	0	0	0	0
Body	0	1	3	0	0	0
Arm	0	0	1	3	0	0
Watch	0	0	0	2	4	5
Clock	0	0	0	0	7	0
attached to	0	0	5	0	0	6

b)

$$GC_{ex} = WM_{enc}(MMFG_{ex}) =$$

$$\begin{pmatrix} 1 & 3 & 0 & 0 & 0 & 0 \\ 0 & 1 & 3 & 0 & 0 & 0 \\ 0 & 0 & 1 & 3 & 0 & 0 \\ 0 & 0 & 0 & 2 & 4 & 5 \\ 0 & 0 & 0 & 0 & 7 & 0 \\ 0 & 0 & 5 & 0 & 0 & 6 \end{pmatrix}$$

c)

	root-image	person	body	arm	watch
root-image	1	1	0	0	0
person	0	1	1	0	0
body	0	0	1	1	0
arm	0	0	0	1	17
watch	0	0	0	0	2