

4.5

$$V = \bar{r}_z x_z y_z + r_z \bar{x}_z \bar{y}_z$$

Taking: on resultats $MSB=1: x_z = y_z = 0$

$MSB=0: x_z = y_z = 1$

a)

$$\begin{array}{r} 0010\overset{1}{0}100 \\ + 01000100 \\ \hline 01101000 \end{array}$$

$N=0$
 $V=0$
 $Z=0$

b)

$$\begin{array}{r} \overset{1}{1}\overset{1}{0}\overset{1}{1}\overset{1}{1}\overset{1}{1}100 \\ + 01000100 \\ \hline 1100000000 \end{array}$$

$N=0$
 $V=0$
 $Z=1$

c)

$$\begin{array}{r} 100000\overset{1}{0}1 \\ + 10000001 \\ \hline 1100000010 \end{array}$$

$N=0$
 $V=1$
 $Z=0$

d)

$$\begin{array}{r} 01001010 \\ + 00110101 \\ \hline 01111111 \end{array}$$

$N=0$
 $V=0$
 $Z=0$

e)

$$\begin{array}{r} \overset{1}{0}10\overset{1}{0}\overset{1}{1}\overset{1}{0}10 \\ + 01001010 \\ \hline 10010100 \end{array}$$

$N=1$
 $V=1$
 $Z=0$