

⑤ Construcția unui alt vector;  $\text{int } x[100]$   
 $\text{int } y[100]$

```

j=0;
for(i=0; i<n; i++)
    if (conditie x[i])
        { y[j] = x[i];
          j++;
        }

```

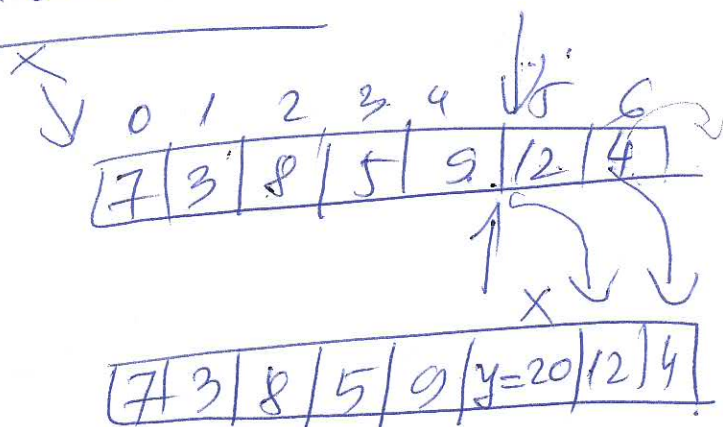
⑥ Adăugarea într-un vector

$\text{int } x[100], n;$

$\text{int } y, k;$

$y=20$

$k=4$



Sol 1

```

for(i=n-1; i>k; i--)
    x[i+1] = x[i];

```

$x[k+1] = y;$

$n++;$

Sol 2

```

j=0;
for(i=0; i<=k; i++)
    { y[j] = x[i];
      j++;
    }

```

$y[j] = y; j++;$

```

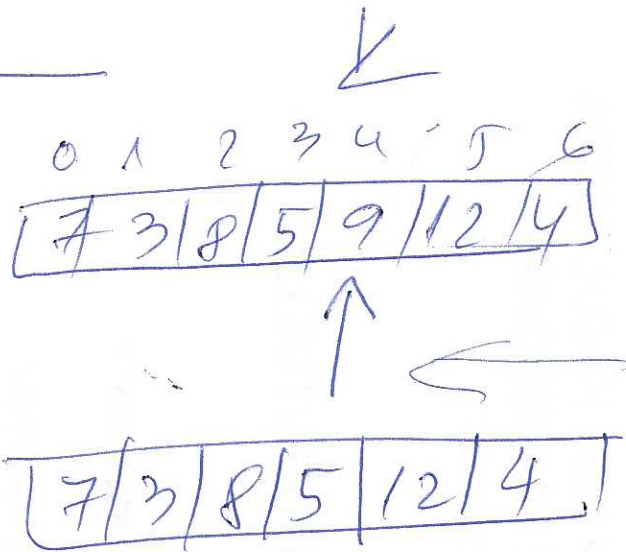
for(i=k+1; i<n; i++)
    { x[i] = x[i+1];
      i++;
    }

```

## ⑦ Ștergerea din vector

int x[100], n;

int k = 4



Sol 1

for (i = k + 1; i < n; i++)  
x[i - 1] = x[i];

n--;

j = 0;

for (i = 0; i < n; i++)

if (i != k)

x[j++] = x[i];

n = j;