

Q4)

```
int prod(int arr[], int n)
```

```
int i, a, b, r=1;
```

```
for (i=0; i< n-1; i++)
```

```
    a=arr[i];
```

```
    b=arr[i+1];
```

```
    r = r * a * b;
```

```
}
```

```
for (; i< n; i++) {
```

```
    r *= arr[i];
```

```
}
```

```
return r;
```

```
}
```

what
changed

Q5)

code	m	C	B	E	S	t	s	b
1	32	1024	8	4	32	24	5	3
2	32	1024	2	32	16	27	4	1
3	32	1024	4	128	2	29	1	2
4	32	1024	16	1	64	22	6	4

$$C = B \times E \times S$$

$$S = 2^5 \quad B = 2^b$$

32

$$t = m - (s + b)$$

$$1 \rightarrow 1024 = 8 \cdot 4 \times S$$

$$S = 32$$

$$1 \rightarrow t = 32 - 8 = 24$$

$$2 \rightarrow 1024 = 2 \cdot 32 \times S$$

$$S = 16$$

$$2 \rightarrow t = 32 - 5 = 27$$

$$3 \rightarrow 1024 = 4 \cdot 128 \times S$$

$$S = 2$$

$$3 \rightarrow t = 32 - 3 = 29$$

$$4 \rightarrow 1024 = 16 \cdot 1 \times S$$

$$S = 64$$

$$4 \rightarrow t = 32 - 10 = 22$$