

## UNIT 9 *Code 3 of 9*

## Overhead Slides

---

### **Overhead Slides**

- 9.1 Example
  - 9.2 Possible Codes
  - 9.3 Code Message
  - 9.4 Character Table
  - 9.5 Grids
-

# OS 9.1

*Example*

---



**\* + A 1 2 3 B 4 C 5 D 6 E 7 1 1 \***

---

## OS 9.2

*Possible Codes*

Complete the questions:

How many?

(A) Possible SPACES      1 0 0 0  
    0 1 0 0

(B) Possible BARS      1 1 0 0 0  
    1 0 1 0 0

(C) Possible CODES

Total number of different codes

$$= \boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

# OS 9.3

# Code Message

---



# OS 9.4

## Character Tables

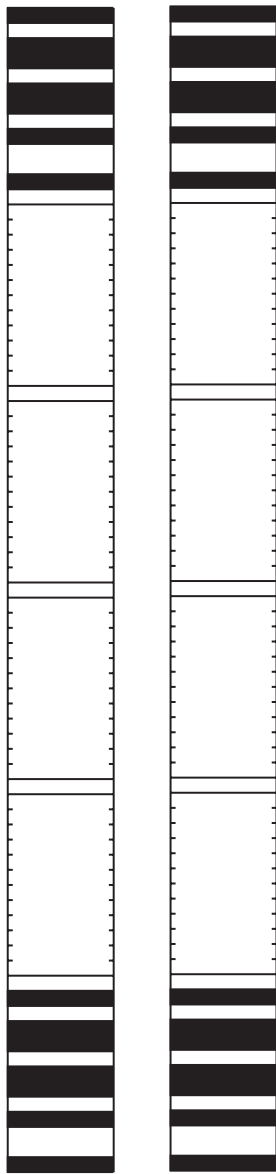
(Note that \* is used for the start/stop which must precede and follow every code 3 of 9 message.)

Character	Pattern	Bars	Spaces
1		10001	0100
2		01001	0100
3		11000	0100
4		00101	0100
5		10100	0100
6		01100	0100
7		00011	0100
8		10010	0100
9		01010	0100
0		00110	0100
A		10001	0010
B		01001	0010
C		11000	0010
D		00101	0010
E		10100	0010
F		01100	0010
G		00011	0010
H		10010	0010
I		01010	0010
J		00110	0010
K		10001	0001
L		01001	0001
Character	Pattern	Bars	Spaces
M		11000	0001
N		00101	0001
O		10100	0001
P		01100	0001
Q		00011	0001
R		10010	0001
S		01010	0001
T		00110	0001
U		10001	1000
V		01001	1000
W		11000	1000
X		00101	1000
Y		10100	1000
Z		01100	1000
-		00011	1000
.		10010	1000
Space		01010	1000
*		00110	1000
£		00000	1110
/		00000	1101
+		00000	1011
%		00000	0111

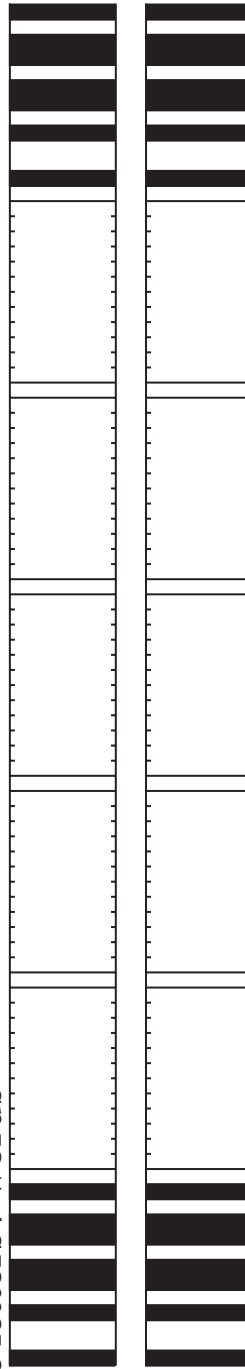
# OS 9.5

## Grids

**(A) Four letters / words**



**(B) Five letters / words**



**(C) Six letters / words**

