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CLASS – CSE E

REG. NO. – AP21110011194

WEEK 8

INPUT-

```
Enter number of productions :11
Enter productions Number 1 : E>TX
Enter productions Number 2 : X>^
Enter productions Number 3 : T>FY
Enter productions Number 4 : Y>T
Enter productions Number 5 : Y>^
Enter productions Number 6 : F>PZ
Enter productions Number 7 : X>+TX
Enter productions Number 8 : Z>*Z
Z>Enter productions Number 9 : Z>^
Enter productions Number 10 : P>^
Enter productions Number 11 : P>a
```

OUTPUT -

```
FIRST(E)= { a * }

FIRST(X)= { ^ + }

FIRST(T)= { a * }
FIRST(Y)= { a * ^ }

FIRST(F)= { a * }
FIRST(Z)= { * ^ }

FIRST(P)= { ^ a }
```

```
FOLLOW(E)= { $ }

FOLLOW(X)= { }

FOLLOW(T)= { + }

FOLLOW(Y)= { }

FOLLOW(F)= { a * }

FOLLOW(Z)= { }

FOLLOW(P)= { * }
```