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Grammar Rules Of Project

Sentences in our Grammar:-

1) shu 129 ane 129 bane sarkha number che?

2) 32,34 mathi kayo number moto che?

3) 32,34 mathi kayo number nano che?

4) nano number kayo che 7 ke 2?

5) moto number kayo che 7 ke 2?

Grammar Rules:

A-> K1 I K2 I K3 E

A-> I S I K4 O K5 E

A-> O K6 I K7 I E

O-> N|M

N-> "nano"

M-> "moto"

S-> ,

E-> ?

K1-> "shu"

K2-> "ane"

K3-> "bane sarkha number che"

K4-> "mathi kayo number"

K5-> "che"

K6-> "number kayo che"

K7-> "che"

I-> int|float

First:

First(A):{"shu",int,float,"nano","moto"}

First(O):{"nano","moto"}

First(N):{"nano"}

First(M):{"moto"}

First(S):{,}

First(E):{?}

First(K1)={"shu"}

First(K2)={"ane"}

First(K3)={"bane sarkha number che"}

First(K4)={"mathi kayo number"}

First(K5)={"che"}

First(K6)={"number kayo che"}

First(k7)={"che"}

Follow:

Follow(K1)=First(I)={int,float}

Follow(K2)=First(I)={int,float}

Follow(K3)=First(E)={?}

Follow(K4)=First(O)={nano,moto}

Follow(K5)=First(E)={?}

Follow(K6)=First(I)={int,float}

Follow(K7)=First(I)={int,float}

Follow(N)=Follow(O)=First(K5) U First(K6)={che,number kayo che}

Follow(M)=Follow(O)=First(K5,K6)={che,number kayo che}

Follow(I)=First(K2) U First(K3) U First(K4) U First(K7) U First(S) U First(E)=

{ane,bane sarkha number che,mathi kayo number,che, , ,?}

Follow(O)= First(K5) U First(K6)={che,number kayo che}

Follow(E)=Follow(A)={$}

Follow(S)=First(I)={int,float}