## example

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S -> is start symbol so input accept.

$$C + b * c$$
  $(T \rightarrow id)$ 
 $E + b * c$   $(E \rightarrow T)$ 
 $E + b * c$   $(T \rightarrow id)$ 
 $E + T * c$   $(E \rightarrow E + T)$   $(Here be careful)$ 
 $E * C$   $(T \rightarrow id)$ 
 $E * T$   $(E \rightarrow T)$ 
 $E \times T$   $(S \rightarrow E)$ 
 $S \rightarrow is strant symbol so input accepted$ 

$$E \rightarrow E + T \mid T$$
 $T \rightarrow T \times F \mid F$ 
 $F \rightarrow (E) \mid id$ 
 $id \in (F \rightarrow id)$ 
 $f \times id (T \rightarrow F)$ 
 $T \times id (F \rightarrow id) \times (Here be carefull)$ 
 $T \times F (T \rightarrow T \times F)$ 
 $T \times F (E \rightarrow T)$ 

what about id+id? is it valid.

try to Solve it yourself.

V is start symbol

> reading (K) input at a time where K=1,2,3 ---L> Reading input strong from left to right - This is used for top Down Parsing Example is the bollowing grammer is LL(1)? input aaabd S-> aAlbB A-) aBleB B->6ClaC Xes it is LL(1)V is it LL(2) also? Think about it.

LL(u) gramemer

TB: agar grammer'ek LL(1) bet awa LL(2) w LL(3) w LL(k+1)'isha balam ba pechawanawa rast nia

example S-) ab B | aaA B->d A-> cld input abd - is this grammer LL(1)? lets check abd read on input at a time here we have two possibilites me home Trxing to produce d TB: la har hangawekda zyatr la halbzhardnekm habw awa yaksar dalem LL(1) nia, balam gar hatw la yakam hangawawa hich regayakm nabw awa aw grammer'a aw input'a accept nakat input: aaabd so this grammer is not LL(1) because we have grammer: S --> cA | bB A --> d | BB --> a more than one choice. Lets Check. (Reading two symbols) - is it LL(2) ? Soid is LL(2)

LL (4) granmoner

ex/