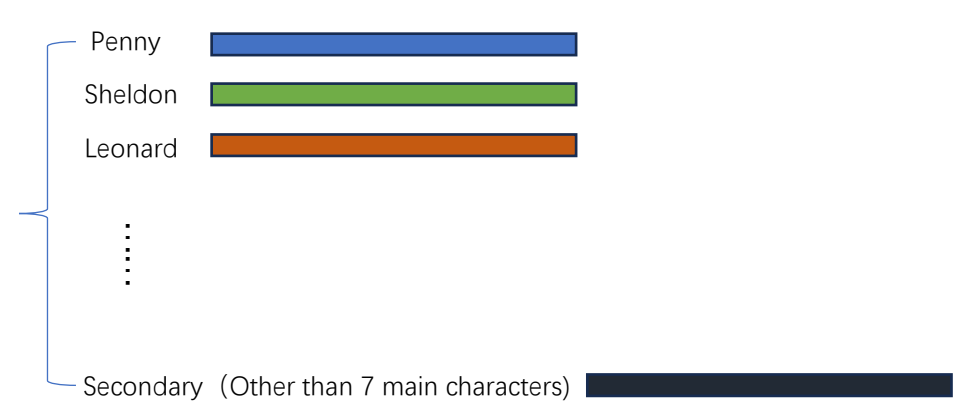


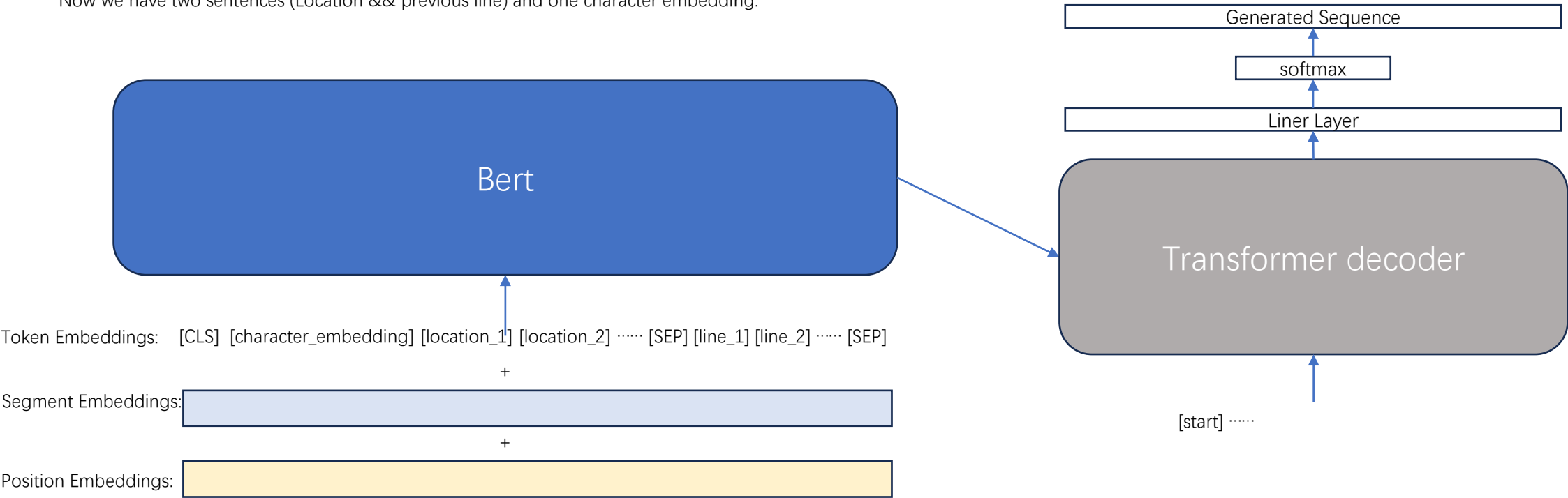
# Character Embedding:



Characters in current scene: Penny, Sheldon, Leonard; Next character who speak: Sheldon;

Character\_Embedding = 
$$\left[ \begin{array}{c} \text{Blue bar} \\ \text{Green bar} \\ \text{Orange bar} \end{array} \right] \div 3 + \text{Green bar}$$

Now we have two sentences (Location && previous line) and one character embedding:



**Note:** Location\_n means the nth token in the location description text, line\_n means the nth token in the given line