

7 1 2 3 4 5 6

A2 (a) We start with an exponential

$$e^{-\alpha x} = A(\lambda)$$

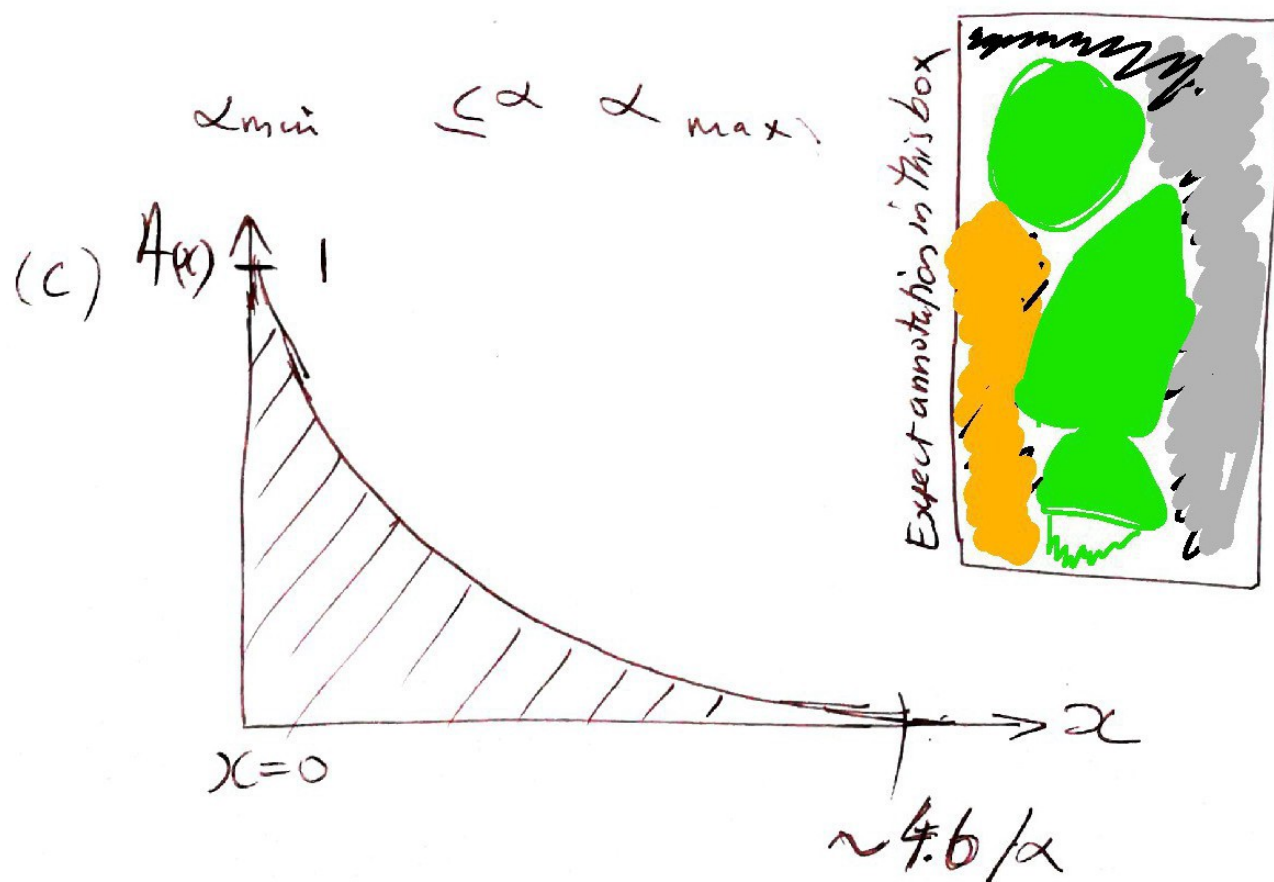
Then make up some conditions to

complete the specification, such as

$$\alpha \leq \alpha_{\max}, \text{ and}$$

$\alpha \gg \alpha_{min}$

(b) Again, not rocket science that



The diagram illustrates two parallel processes: 'Mark' (red) and 'Check' (blue). On the left, a vertical column of boxes represents a list of items. The first three boxes are labeled '26', '27', and '28'. The fifth box is labeled '5'. The 'Mark' process starts with a 'Mark' header, followed by a red box with a sad face icon. It then shows two identical red boxes for marking, each with fields for 'section', 'Q number', and 'mark awarded'. The process ends with a red box containing a checkmark icon and the word 'Mark'. The 'Check' process starts with a 'Check' header, followed by a blue box with a question mark icon. It then shows two identical blue boxes for checking, each with fields for 'section', 'Q number', and 'mark awarded'. The process ends with a blue box containing a checkmark icon and the word 'Check'.