1.2. Let $h(t) = e^{2t} u(-t+4) + e^{-2t} u(t-5)$.

Determine A and B such that $h(t-7) = \begin{cases} e^{-2(t-7)}, & 7 < A \\ 0, & A < 7 < 8 \end{cases}$ $h(t-7) = \begin{cases} e^{-2(t-7)}, & B < 7 \end{cases}$

$$h(t-T) = e^{2(t-T)} u(-(t-T)+u) + e^{-2(t-T)} u(t-T-S) = \begin{cases} e^{2(t-T)}, & t+T+1>0 \\ 0, & else where \end{cases}$$

$$= \begin{cases} e^{2(t+T)}, & -t+T+1>0 \\ 0, & else where \end{cases}$$

$$= \begin{cases} e^{2(t-T)}, & t+T+1>0 \\ 0, & else where \end{cases}$$

$$= \begin{cases} e^{2(t-T)}, & t+T+1>0 \\ 0, & else where \end{cases}$$

$$= \begin{cases} e^{2(t-T)}, & t+T+1>0 \\ 0, & else where \end{cases}$$

(A=t-5, B=t-4