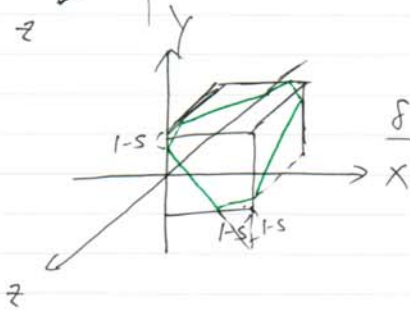


$$1 \leq s \leq 3$$

$$\downarrow \frac{8 - \frac{1}{8}(3-s)^3}{8}$$

$$\downarrow \frac{1}{16} \frac{(3+s)^2}{(3-s)^2}$$



$$0 \leq s \leq 1$$

$$\frac{8 - \frac{1}{8}(3-s)^3 + 3 \cdot \frac{1}{8}(1-s)^3}{8}$$

$$\downarrow \frac{1}{16} \frac{(3-s)^2 - 3(1-s)^2}{16} = \frac{6-2s^2}{16}$$

$$= \frac{3-s^2}{8}$$

$$-1 \leq s \leq 0$$

$$\frac{\frac{1}{8}(3+s)^3 - 3 \cdot \frac{1}{8}(1+s)^3}{8}$$

$$\downarrow \frac{1}{16} \frac{(3+s)^2 - 3(1+s)^2}{16} = \frac{6-2s^2}{16}$$

$$= \frac{3-s^2}{8}$$

$$-3 \leq s \leq -1$$

$$\frac{\frac{1}{8}(3+s)^3}{8} \rightarrow \frac{(3+s)^2}{16}$$