$$f(x) = x^{\frac{3}{2}} \text{ by poverable}$$

$$f(x) = \frac{x^{\frac{3}{2}+1}}{3^{\frac{3}{2}+1}} + C = \frac{2}{5}x + C$$

$$2 = \frac{2}{5} \cdot 1 + C \cdot \cdot \cdot \cdot \cdot \cdot = \frac{8}{5}$$
The solution of (4) is $f(x) = \frac{2}{5}x^{\frac{3}{2}+\frac{8}{5}}$

$$\sum_{x} 4 \text{ find } f \text{ if } f \text{$$

f(1)=1=1+1-2+C+4

$$= 4x^{3} + 3x^{2} - 4x + C_{1}$$

$$f(x) = 4 \cdot \frac{x^{3+1}}{4} + 3 \cdot \frac{x^{2+1}}{3} - 4 \cdot \frac{x^{3+1}}{2} + C_{1}x + C_{2}$$

$$= x^{4} + x^{3} - 2x^{2} + C_{1}x + C_{2}$$

$$f(0) = 4 = C_{2}$$

Exercise (in Group) \$3-9 41~48 Chap 4-1 Definite integral (On the board)