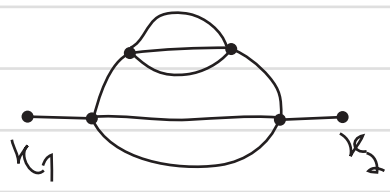
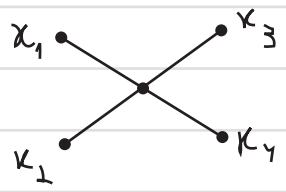


Usando as regras de Feynman de  $\lambda\phi^4$

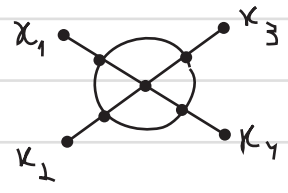
3(a) Escreva a expressão de  $G(x_1, x_2, \dots, x_n)$  para os diagramas abaixo:



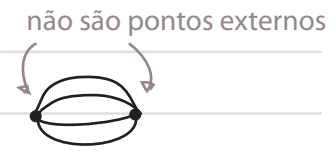
$G(x_1, x_2) ?$



$G(x_1, x_2, x_3, x_4) ?$

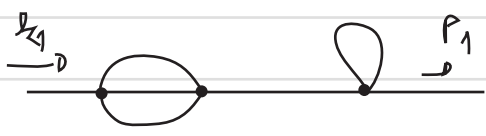


$G(x_1, x_2, x_3, x_4) ?$

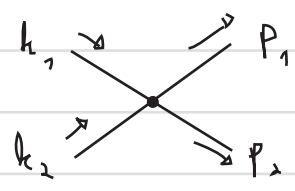


$G ?$

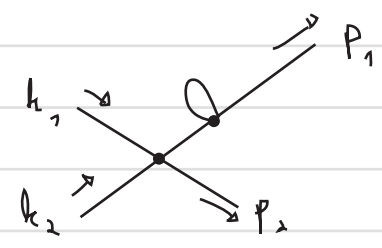
3(b) Escreva a expressão de  $\langle P_1 \dots P_n | k_1 \dots k_n \rangle$  para os diagramas abaixo:



$\langle P_1, k_1 \rangle ?$



$\langle P_1, P_2 | k_1, k_2 \rangle ?$



$\langle P_1, P_2 | k_1, k_2 \rangle ?$