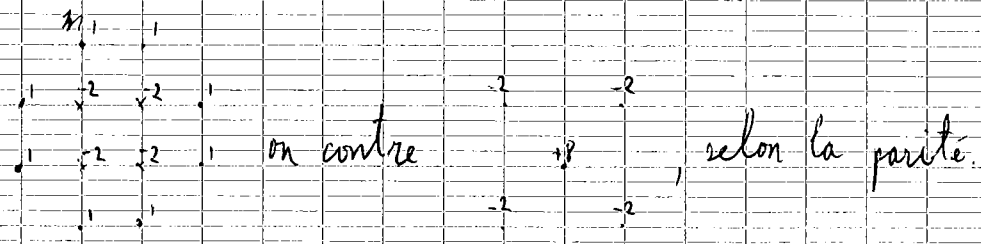
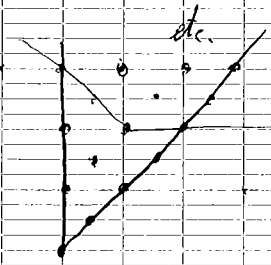
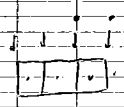
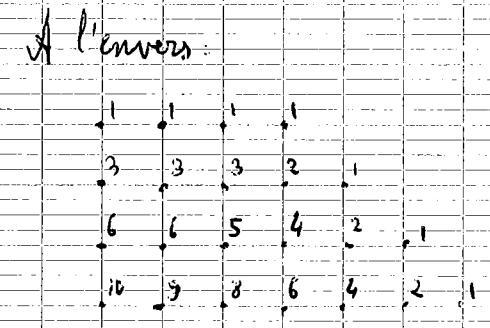
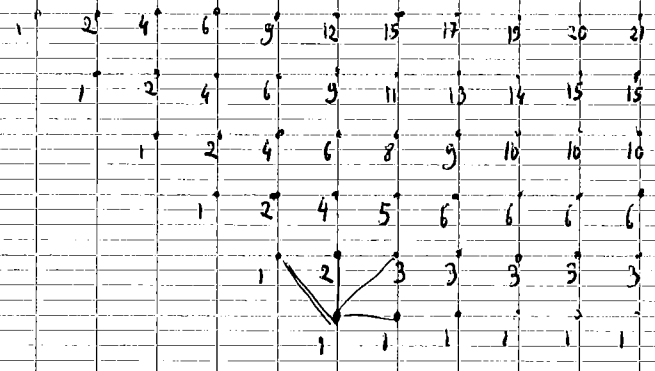


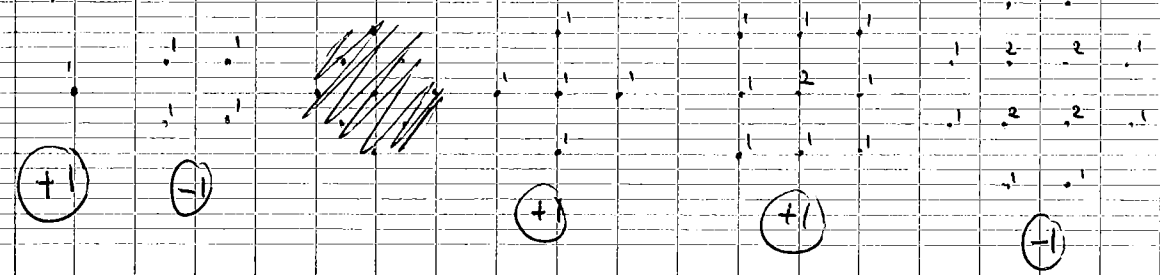
20/02/2015

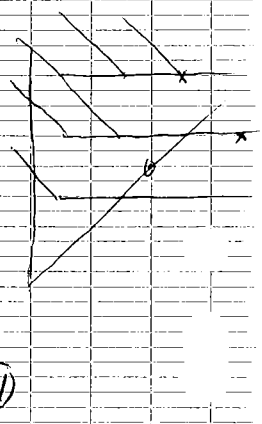
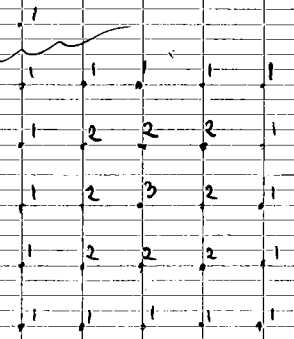
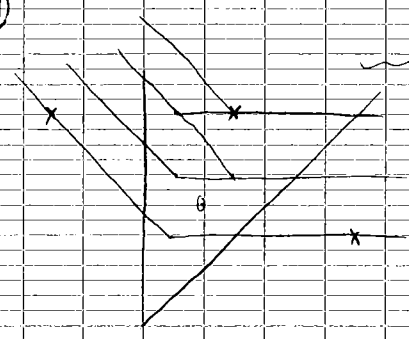
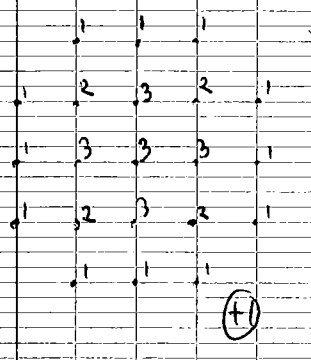
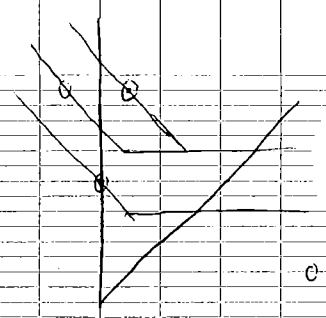
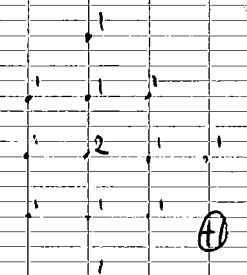
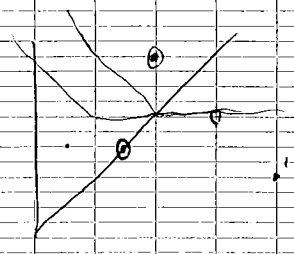
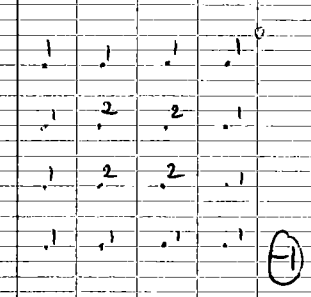


Fonction de partition de Kostant pour  $B_2$

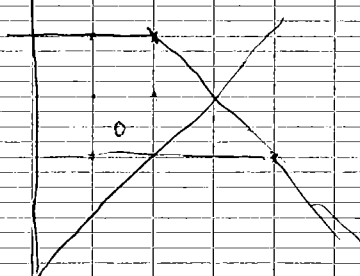
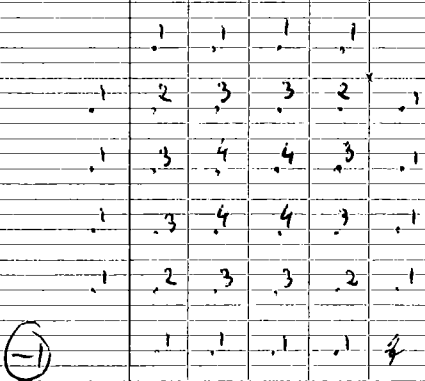
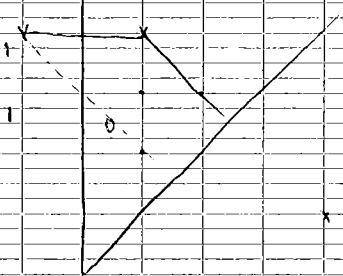
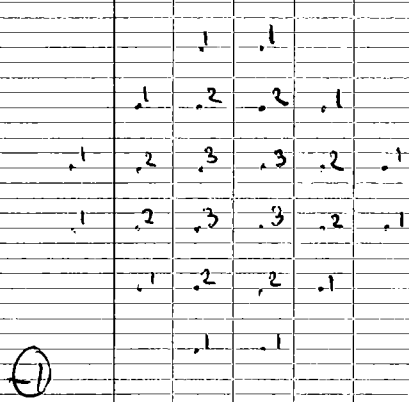


Reps. Plus hauts poids possibles  
représentations possibles





Conjecture: (+) pour poids entier, (-) pour poids demi-entier?



Conjecture: pour tout poids  $\lambda$ , il existe une suite de poids  $\lambda_1, \lambda_2, \dots$  20/02/2015

$$\lambda = \lambda_2$$

1	1	1	1	1	1
1	2	2	2	2	1*
1	2	3	3	2	1
1	2	3	3	2	1
1	2	2	2	2	1
1	1	1	1	1	1



(-)

1	1	1	1	1	1
1	1	2	1	1	1
1	1	2	2	1	1
1	1	2	1	1	1
1	1	1	1	1	1

(+)

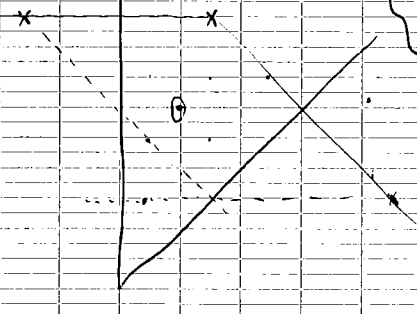


1	1	1	1	1	1	1
1	2	2	2	2	2	1
1	2	3	3	3	2	1
1	2	3	4	3	2	1
1	2	3	3	3	2	1
1	2	2	2	2	2	1
1	1	1	1	1	1	1

(+)

1	1	1	1	1	1
1	2	3	2	1	1
1	2	4	4	2	1
1	3	4	5	3	1
1	2	4	4	2	1
1	2	3	2	1	1
1	1	1	1	1	1

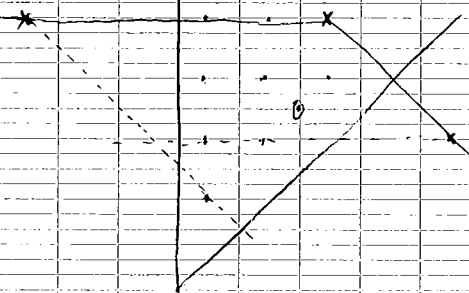
(+)



$$16 + 2 \times 8 + 3 \times 4 + 4 \times 2 + 5 = 64 + 17 = 81$$

1	1	1	1	1	1	
1	2	3	3	3	2	1
1	3	4	5	4	3	1
1	3	5	5	5	3	1
1	3	4	5	4	3	1
1	2	3	3	2	1	1
1	1	1	1	1	1	1

(+)



$$20 + 2 \times 4 + 3 \times 12 + 4 \times 4 + 5 \times 5 = 20 + 8 + 36 + 16 + 25 = 105$$

$$45 + 25 + 21 + 9 \times 5 = 105$$