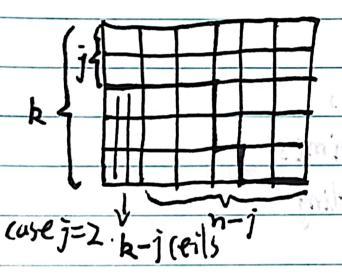
	ive sum to n	. \	rlas h		
Let (U)= #	# positive in	tegers in A 入i	n () is an integer par	tition of n	
$max(\lambda) = m$	nux integer o	f > 1x =n			
$E_{x:}$ n=5	ントリ	alt notation	Young/Ferres ding ra	M $\mathcal{L}(\lambda)$	max(1)
	15)	5		1	5
	(4,1)	14		2	4
	(3,2)	ک 3	=====================================	2	3
	(3,1/1)	123		3	3
	(2,2,1)	1 7,	<u> </u>	3	2
	(2,1,1,1)	132		4	2
((ا داراران	15	<u> </u>	5	
			8		
Thm. # inte	yer alm wi	th (U)=k=#	integer partition $\lambda \vdash r$	with max	x)=k
proef. My	X reflect				
PW)	H				
					
'm	axo)	L-+ +la diagon	al is a conjugate por	tition.	
let: /he ret	lectron of 1 a	bout the one you	, , w, , , , , , , , , , , , , ,		
ten denoted	I win X.		· · · · · · · · · · · · · · · · · · ·		
					1
F N 7	7 01	λΙ	E La n-4		
m [n] q	= 29"		Ex k=2 n=4		
hm [n]q	= 7. 7		图94 国9,		
hm [n]q	= 7. 7		图94 国9,		
hm [n]q	= 7. 7	tion \ diugrams (n-k)	3 94 国 94 国 94		
hm [n]q	integer purti- with Young of fills in kx rectangle	tion), diugrams (n-k)	囲 4° 国 9° Ⅲ 4° 田 9°	he range of	
	integer purhimith Young of fills in kx	tion), diugrams (n-k)	囲 9⁴ 	he range of	
	= 7. 7	tion), diugrams (n-k)	図9 ⁴ 国9 ² 田9 ³ 田9 ⁴ 田9 ² 田9 ² 100 0110 79	he range of espective	ms
	integer purhimith Young of fills in kx	tion), diugrams (n-k)	囲 9⁴ 	he range of espective oung diagra	ms
	integer purhimith Young of fills in kx	tion), diugrams (n-k)	囲 9 ⁴	he range of espective oung diugra	ms
f" n~	integer purticular with Young a fills in kx rectangle k=8	tion \ diugrams (n-k) ↓0 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	照 9 ⁴ 目 9 ³ 日 9 ³	he range of espective oung diugra	ms
f" n~	integer purticular with Young a fills in kx rectangle k=8	tion \\ diugrams (n-k)	囲 9 ⁴	espective boung diagra	ms

$$\begin{bmatrix} n+1 \\ k \end{bmatrix} = \sum_{j=0}^{k} q^{k-j} \begin{bmatrix} n-j \\ k-j \end{bmatrix} q$$

pf: Sent integer partitions that fill in a kxintlek) box by lix)



X fills in kx(m+1-k)

j is pick height to column!

k-j is # ceils in column!

[k-j] is rest part

是一个独的对抗的一类二次的形式主(x.一类)等