How to divide the pay Fairly? The drayon (3) and Sizer (4) should get en equal portion since bleir marsinal conhibrations are élentique : 15 (23) U A) = 15 (243 UL) YA = 21,23 The pig (1) should not eak at all since his contribution is mull to ong coolition: v( &13 v A) =v(A) XA = 71,2,3,43. Weighted vosing game (Nassen) This example show it is meaningless to measure ble volaing pomer le ble number of voles of every sown. Towns 5 and 6 are mell players since blere is no coslikion A such blut = v; e 256,573 This means slut neisler 5 nou 6 con ever Carl a decisive vole.

( Q	e eu	ions of	Shafley	V alue	ore not	sugerfluous
()	demove	Ficie	ucy and	esira	<b>-</b>	
			Q:= 2	26 <sup>5</sup> .		
<	(len	C soli	Fies sy	mvelz (	soldel vil	SI
າ	Remove	NPPau	d loser	e.	printe p	roferez.
7)			l losin	= (N)		
	1 len	C Seli	$\sim 2$	10		
3)	Remove	. SYX	oud a	of the	(	•
		٧:(٨	5) = V (8	<u>(</u> ,, ( <u>}</u> ) ~	~ v( {1	···· ( [ ]
	(len	ぐらり	ADD, E	FF, NF	P.	
4)	Remove	- ADD	and c	létère.		
,		Q:(.		0 ; ·	null	
	18 Qeno	0 5	LQ	re-d	oslarny	_
	in 1	le gare	Then	umber of	null of	flagers EFF, Styr
						NPP.

Coefficients in the Shafley value Form æ probulelez deski Brekiær  $P(A) = \frac{|A|! (n - |A| - 1)!}{n!}$ ₩ c'eN Y LE NI  $=\frac{1}{n!} \leq \binom{n-1}{k} k! (n-k-1)!$ = 1 (n-1)! k!(n-kn)! =  $=\frac{1}{n}\left(n-1\right)\left[n=1\right]$ Cle equality of 2 Formulas For C.S  $\varphi_{i}(s) = \frac{1}{n_{i}} \leq \frac{1}{1} \left( \frac{1}{n_{i}} \left( \frac{1}{n_{i}} \left( \frac{1}{n_{i}} \right) \right) \left( \frac{1}{n_{i}}$ = 1 S S [ N(A; vi) -N(A; )]