Now we're ready for some fusion! Pecale: Pir W-bonding

if VG guerte MENTEDOW

JEWON: 159. Lema If u is a mon-eagre P-felter, then Pir W-Sounding. Groof: o Let poltjew. o We desirte æstretegy for I in the Proint game. I split po split(pao,-,an-n)

I ao systito an split(pao,-,an-n)) doing the following 1) proposed = proposed Vican-1 2) Day Explit (proportion) Vien (Leabo) 3) Hanney = W suchtlet proportion (approxi) This is capy with the pecially crucial fact lunnary Now II can beat this straken (since u is a non-negre Pipiter), i.e. The are (ai)in, (na, 74i)); w) (H(a), (i))in such that

Note -4i) H(i) & H(a), (ai)

2) relition = j i aj 8 Put them 1:= 100 Pi EP [split] 20 an EU 2 pringipoli [refangai) o In particular, $p \vdash f(i) \leq -\infty \vdash H(a_{01}, -a_{i})$ so $g : \omega \rightarrow \omega$, $n \mapsto max \vdash H(a_{01}, -a_{n})$ The pool for roponess is similar, St we need the definition first...