Recall: A Fin, you group G has Property CTD is every unitary rep of G that has almost invariant vectors has a
Cuenzeus invariant weeter.
Groups we projectly CTD: Finite groups, compact top, groups, SLCmiRD & SLCmiRD we N23, simple real lie groups
Groups were property CTD: 8, R. SCC2, BD, SCC2, RD, g-adic rutionals, numbrivial free groups, free Abelian groups
ALANDES WAS BENEFEED CO. D'IN' STORIED'S PEREFE ANTIDMOIS' NOWLANDS LAKE DANCES' LAKE WRETHEN DESPENDENCE
Thmi Charlesn, 19693 SCC11,773 has CT3 for 123.
Errof: Conger/Shalows
We will just not at n=3. SCC3.70= {AGM=CBD: defA=B contains some intensing subgroup:
//htm // // / / / / / / / / / / / / / / / /
G= {(200)   control of the control of contro
What is the relation between their generature? For gescer, 20, 5687, g5g-1=(g5) Comptain g mult by vector 50.
We write G= 82 4 Sec2. 35. cross product of action of sec2. 35 on 32.
Mate: There we served other ways to embed G in SCO283. 32-2 (110) (011) 6 ways totale
Their union 15 SEE3, 3), and the anion of the corresponding of is still SEE3, 30.
we gious:
(G) G) G or H is little on conther
g SSS
Thm: 82 C 82 x 5CC218D has relative greerty CTD, meaning any unitary req. of G with about invariant vectoris admits an
The Band increase active grocerty city, meeting any contrary reg. or V with almost increases actives an
invariant verter for H.
If we grave this, it follows that SIGNO has GO.
((1 117 (1 07 (117 (0 ))
More specifically, ezino, Q= {(1 t), (1 ), (1), (1), (2), (2)} currents of GDo
De stow: if π:6-0 BCRED is a unitary re, w (Ett. 5=0, Aπigo E-18+E VgeQ, then 30=0 in the will πigor=1 VgeH.  u=(i), v=(?), c*cu,ν≥ {ερευνο: ρεθ(n,ν≥)}""
u=(Δ), v=(ξ), (=°cu,ν)= ξρεαινο: ρρέζεινε]

22cG, So 32 is maged by TI into TICES Constructs on Dis. So, TI colondo from 32 to CICERS=CICHAS=CCT2S.

In fact, Il extends to U.N.CZZJ=CGCTZ, mJ. Se. ICZgJ muhis stone for E472
Assume, by winterdiction, that I has no Conscious invariant exitors, a invariant for Tilge mans TRASQUE and TRASQUE.
Εφυιωθενήμη, πCTDη=η
Meanly It 7 is a normal appropriate. How E= Ex: Ta= 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2
Say too investigat pechas memo #C2(ci,132)=00
Plans We can identify The to Citated via carrection and carries all information
for any gratien to information regarding C-12,1222. The action of 30 on it, and paper on (12,1232. Recall: CALTOL, C) = Stopper.
No come on cal my transmining to come the contraction of contracti
\$ 10 5-10-201-11 to ((3)) (1))
E is to invariant to {(1 1), (1 1)} — Images-macester because by each of the 4 generators gesters set 1. 95g. 12 cgss
Let V(E)= MCEnx)  (c) V(E)= MCEnx)  (d) V(E)= MCEnx)  (d) V(E)= MCEnx)  (e) V(E)= MCEnx)  (e) V(E)= MCEnx)  (f) V(E)= MCEnx)  (g) V(E)= MC
A   6
Important idea: change problem we apprehens to problem of measures.