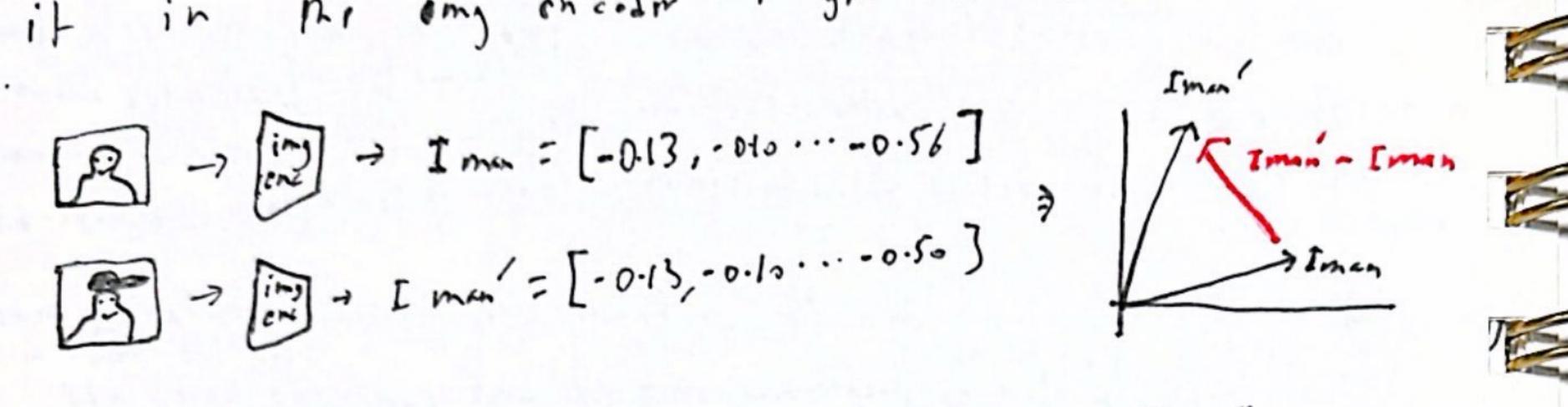
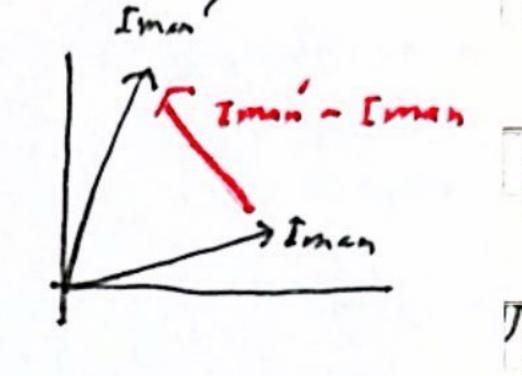
Shared Embbrding space (gem ai notes)

- This space talked about in the last page is where De voctors Line and it has some Key properties
- -Ex: if i take 2 imgs one of person wearing a hat and one of a person will no hat then pass
 if in the impendent i gir 2 rectors in this space





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177

- Now it we subtract the hot persons vector win the Person with he hat vector we get a new vector in our spoor

=> What text dose this now voctor to to

cos simmilarty word - Malla matically we took Mr Melancholy 0.05 difference of the tro. We can search Top matils for correspondity toxt by passity alot -0.165 € hat 0.113€ of different mords in the text oncoder CAP 0.106 and getting cos simmilarly between helmor 0061 an j'j

ner vector and text vector - This means if we take out the man it subtract man with her from man me get vectors corresponding to a hat scap etc. This means idea) Like wether there is a hat in our img is translated into d distance between vectors in our space. This means CLIP can be arrry good ing classifier by passing a Img into The imp encoder and computing cos simillarity (comparing) it to a set of possible captions trassas in traternative) the top result was context of ing of imp and tith. But we can 79 only maying/firt to victors not backwards.