

Stirling engine


---

---

---

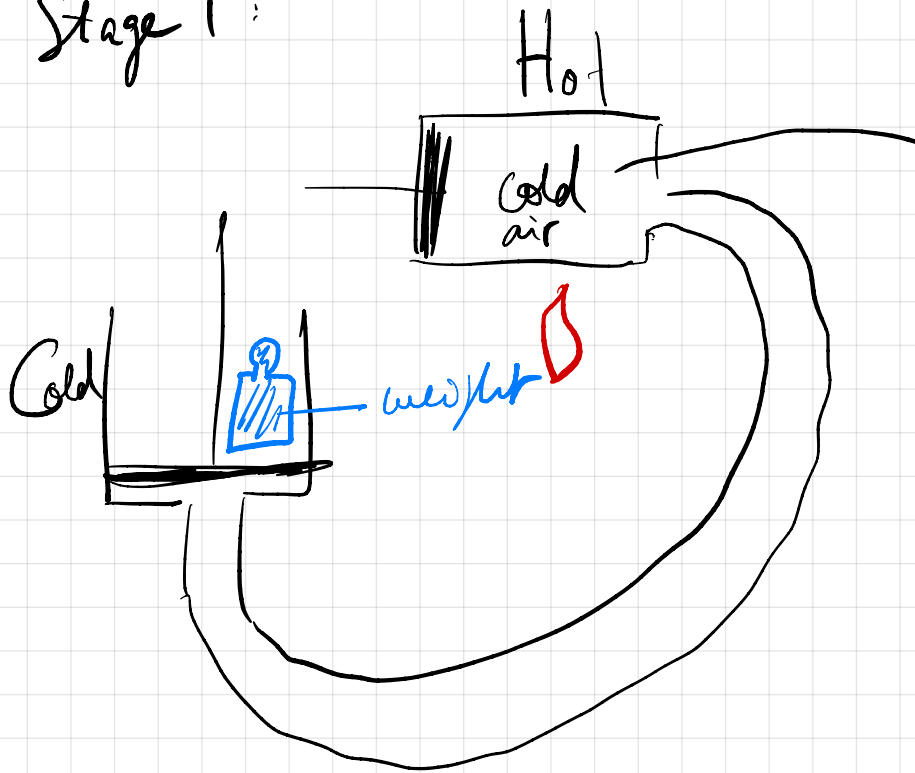
---

---



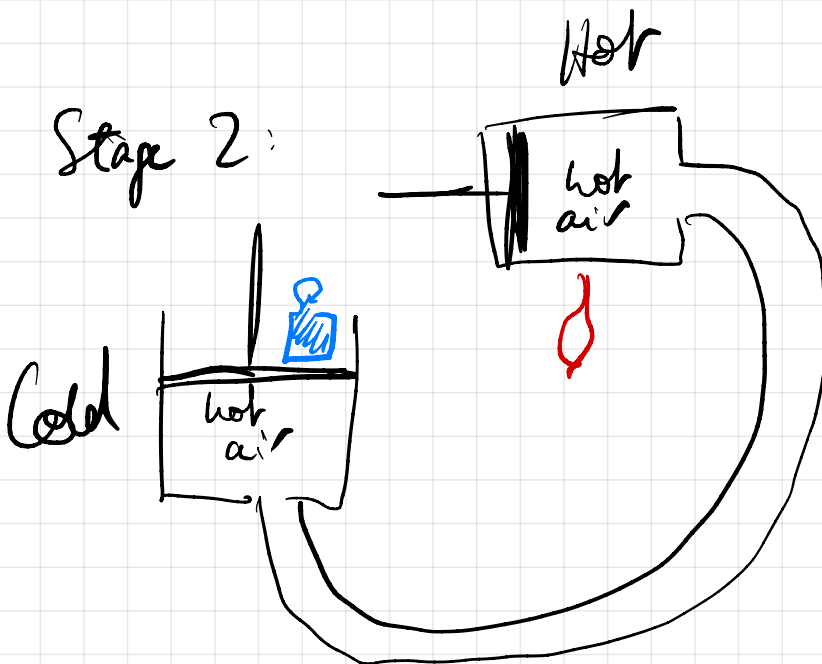
This is an extreme idealization  
to make the process understandable

Stage 1:



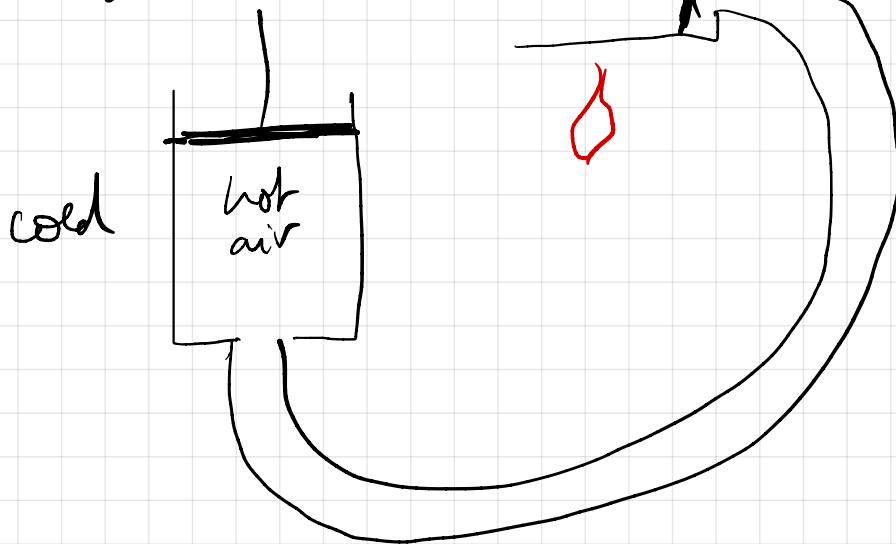
cold air  
warms up  
and pushes  
out the "Cold"  
piston + atmosphere  
+ weight  
energy  
can be stored

Stage 2:



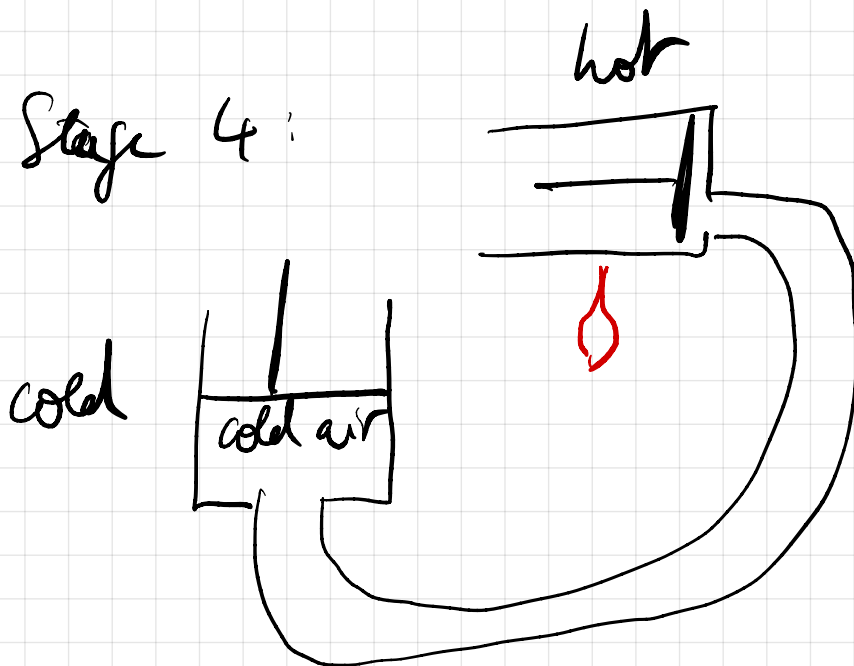
- remove the  
weight now  
slowly, iso-  
thermally,  
- then the system  
pushes through  
the rest  
of the hot air  
no energy  
spent here

Stage 3:



the hot air cools down, atmosphere performs work on the system

Stage 4:



the spinning wheel now pushes through the cold air

no energy spent

Repeat.

