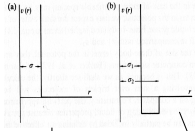


Step-wise Potentials

- To apply to square well is straightforward



- Collisions at inner wall follow the rules just enumerated.
- Collision at outer wall:
 - Particles **approaching**: E_p drops and E_k increases upon entering particles.
 - Particles **separating**:
 - If E_k big as step, then separate,
 - If E_k smaller than step, then reflect at outer wall.

Two distances have to be tracked down at all times.

Only one distance has to be checked for collisions.

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Generalization to Chains

Hard-sphere polymer chains:

- Flexible
- Reminiscent of a bead necklace
- “bonds” between pairs of particles implemented by infinitely high wall wells

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