```
U2l[ℰ_] :=
  ℰ /. {B_i_^p_. :> e^(-p ħ b_i), B^p_. :> e^(-p ħ b), T_i_^p_. :> e^(p ħ t_i),
    T^p_. :> e^(p ħ t), 𝒜_i_^p_. :> e^(p α_i), 𝒜^p_. :> e^(p α)};
l2U[ℰ_] :=
  ℰ //. {e^(c_. b_i_ + d_.) :> B_i^(-c/ħ) e^d, e^(c_. b + d_.) :> B^(-c/ħ) e^d,
    e^(c_. t_i_ + d_.) :> T_i^(c/ħ) e^d, e^(c_. t + d_.) :> T^(c/ħ) e^d,
    e^(c_. α_i_ + d_.) :> 𝒜_i^c e^d, e^(c_. α + d_.) :> 𝒜^c e^d,
    e^χ_ :> e^Expand@χ};
l2U[r_Rule] :=
  Module[{U = r[[1]] /. {b → B, t → T, α → 𝒜}},
   U → l2U[U2l[U] /. r]];
AlsoUpper[rs_List] := rs ⋃ (l2U /@ rs);
```