Rules for integrands of the form $(c + dx)^m (a + b Sech[e + fx])^n$

N:
$$\left[u^{m} \operatorname{Sech}[v]^{n} dx \text{ when } u = c + dx \wedge v = a + bx\right]$$

- Derivation: Algebraic normalization
- Rule: If $u = c + dx \wedge v = a + bx$, then

$$\int\! u^m\, Sech[\,v\,]^{\,n}\, dx \,\,\rightarrow\,\, \int\, (\,c\,+\,d\,x)^{\,m}\, Sech[\,a\,+\,b\,x\,]^{\,n}\, dx$$

Program code:

```
Int[u_^m_.*Sech[v_]^n_.,x_Symbol] :=
   Int[ExpandToSum[u,x]^m*Sech[ExpandToSum[v,x]]^n,x] /;
FreeQ[{m,n},x] && LinearQ[{u,v},x] && Not[LinearMatchQ[{u,v},x]]

Int[u_^m_.*Csch[v_]^n_.,x_Symbol] :=
   Int[ExpandToSum[u,x]^m*Csch[ExpandToSum[v,x]]^n,x] /;
FreeQ[{m,n},x] && LinearQ[{u,v},x] && Not[LinearMatchQ[{u,v},x]]
```