$$\frac{\sin(\left(0.5π+x\right))+cos⁡(π-3x)}{1-cos⁡(-2x)}=\frac{cosx-cos3x}{1-cos2x}=\frac{2sin2xsinx}{(cos^{2}x+sin^{2}x)-(cos^{2}x-sin^{2}x)}=\frac{4sin^{2}xcosx}{2sin^{2}x}=2cosx$$