Some typos and mistakes in Ralf Schindler's book

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1 Ch.9

p.181 Problem 9.4 last line of hint. $F = \{X \subseteq \omega \mid \exists \alpha, X \setminus X_\alpha \textit{ is finite}\}$. X_α should be Y_α.

2 Ch.10

p.190 Proof of theorem 10.11. Wrong reference, should be p. 282.

p.216 Second to last line of proof of Lemma 10.56, $k([pr, \{\beta\}])$ should be $k([\{\beta\}, pr])$.

p.218 Second to last line of proof of Lemma 10.61, $(a_i, i < \kappa) = \pi_E(g)(b)(i)$ should be $a_i = \pi_E(f)(b)(i)$.

p.228 Proof Claim 10.78, I failed to see what the contradiction is.

p.229 Problem 10.2 (d), all the μ should be λ.

p.230 Problem 10.3, same problem, $\mathcal{M}_\mu = L[F_\lambda]$ should be $\mathcal{M}_\lambda = L[F_\lambda]$.

p.230 Problem 10.5 third to last line, $x \in ran(\pi)$ should be $x \in ran(\sigma)$.

p.231 Problem 10.12, the statement of the problem seems wrong. Do you mean for each $\beta < \omega_1^L$ there is putative iteration of some premouse $(J_\alpha, \in, U) \in L$ of length $\beta + 1$ whose last model is ill-founded?

3 Ch.11

p.240 First line of proof of claim 11.17. 'map e from page p.230', page 230 is wrong, but I'm not sure what it is supposed to refer to. What e is doing is computing the Godel numbering of the composition of formulas together with a S-m-n style argument in recursion theory, but I'm not sure where these are introduced in your book.

p.252 first line, J should be decaptalized.

p.255 Proof of Lemma 11.38. Line 6, $\rho_1(M^{n-1,q|(n-1)}) = \rho_{n+1}(M)$ should be $\rho_n(M)$. (11.34), p^* should be p; $h_M^{n,p'}(e,z)$ should be $h_M^{n,p}(e,z)$.

4 Ch.12

p.280 Second to last line of proof of Lemma 12.2. $A = \{x \mid (x_1, x_3 \ldots) \in A_{x_0}\}$ should be $A = \{x \mid (x_1, x_2 \ldots) \in A_{x_0}\}$.

p.284 Fifth to last line before claim 12.10. Z^s should be Z_s. Third to last line before claim 12.10, by $X_0 = \Delta_s Z_s \cap \Delta_{s \subseteq t} Y_s^t$, I think you mean $X_0 = \Delta_s(Z_s \cap \Delta_{s \subseteq t} Y_s^t)$. Without the brackets it's a bit misleading.

p.290 Third line, $\{\alpha \in X \cap ||x|| + 1\}$ should just be $X \cap ||x|| + 1$.

p.291 Proof of theorem 12.19. Line 7 the font of G_{A_x} is wrong. Fifth to last line, a is not $\tau^* * b$ and should be the odd part of $\tau^* * b$.

p.299 Claim 12.26 cf.p.88 should be p.91.

p.301 Line 4 of Problem 12.5 (d), bad paragraphing.

p.306 Sixth to last line. I suspect

$$\varphi(s, x)(n) = ||n||_{<_x}$$

is wrong. Firstly, this is not a necessarily order preserving, besides, if it is the case that $n < lh(s)$ is moved by $\varphi(s, t)$, then the commuting property fails:

$$\pi^{\varphi(t,x)}_{lh(t),\gamma} \cdot \pi^{\varphi(s,t)}_{lh(s),lh(t)}(\kappa_n) = \kappa_{\varphi(t,x)\cdot\varphi(s,t)(n)} = \kappa_{||\varphi(s,t)(n)||_{<_x}} \neq \kappa_{||n||_{<_x}} = \pi^{\varphi(s,x)}_{lh(s),\gamma}$$

The correct definition, I think is the following: let m_n be the least m s.t. $s' \subseteq s$, $lh(s') = m + 1$ and $\exists n', \varphi(s', s)(n') = n$. Then

$$\varphi(s, x)(n) := ||m_n||_{<_x}$$